

Supporting Information

SYNTHESIS OF 4-AROYL-5-ARYLPYRAZOLES AND 4-AROYL-3-ARYLPYRAZOLES VIA THE REACTION OF ENAMINODIKETONES WITH SUBSTITUTED HYDRADINES

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Tsutomu Oikawa,^c Satoshi Hibino,^a and Tominari Choshi^{a*}**

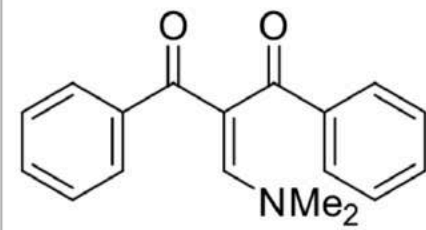
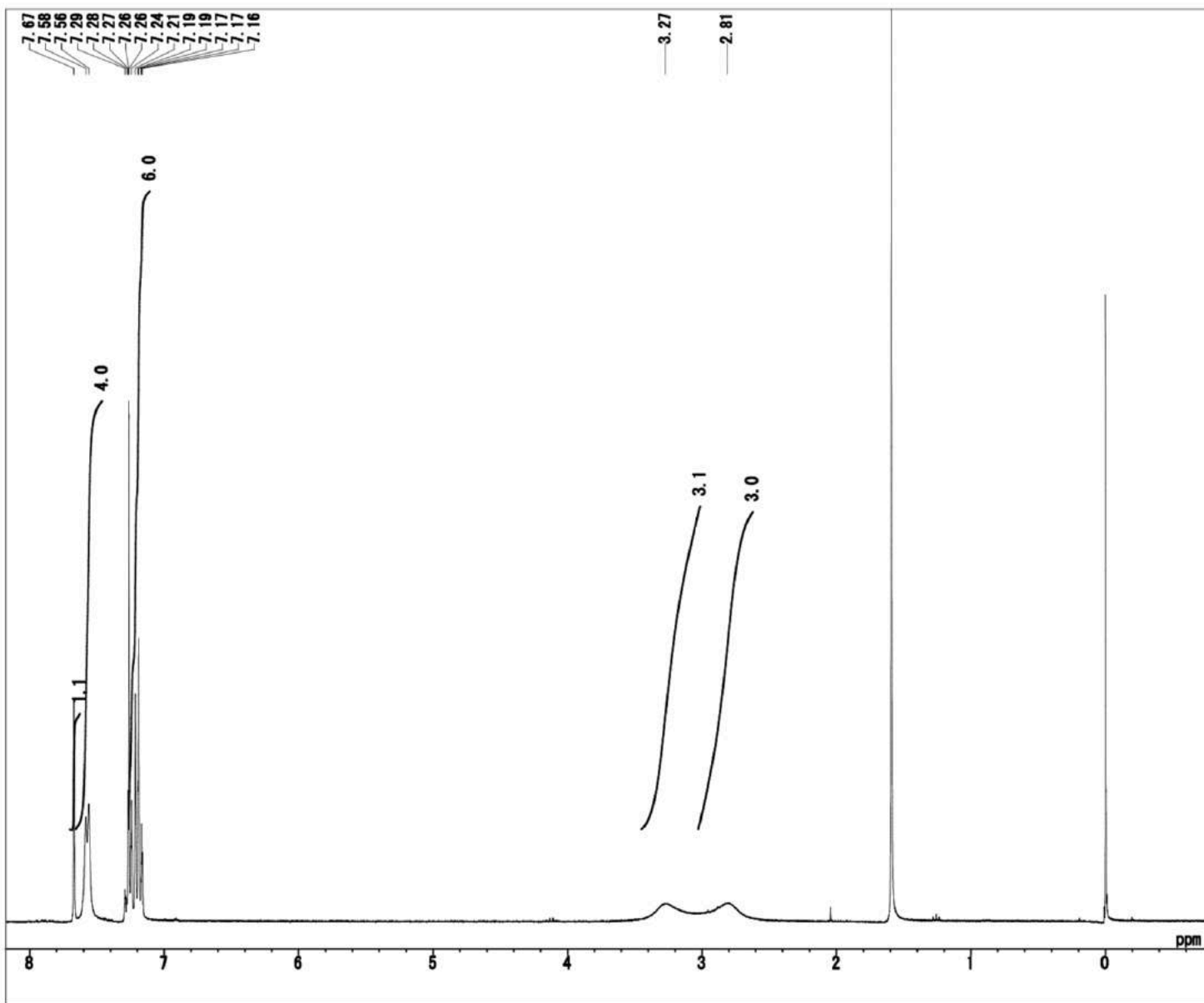
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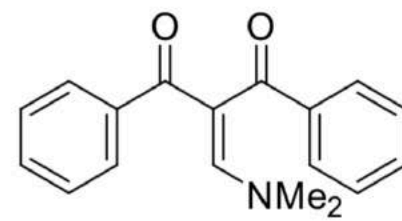
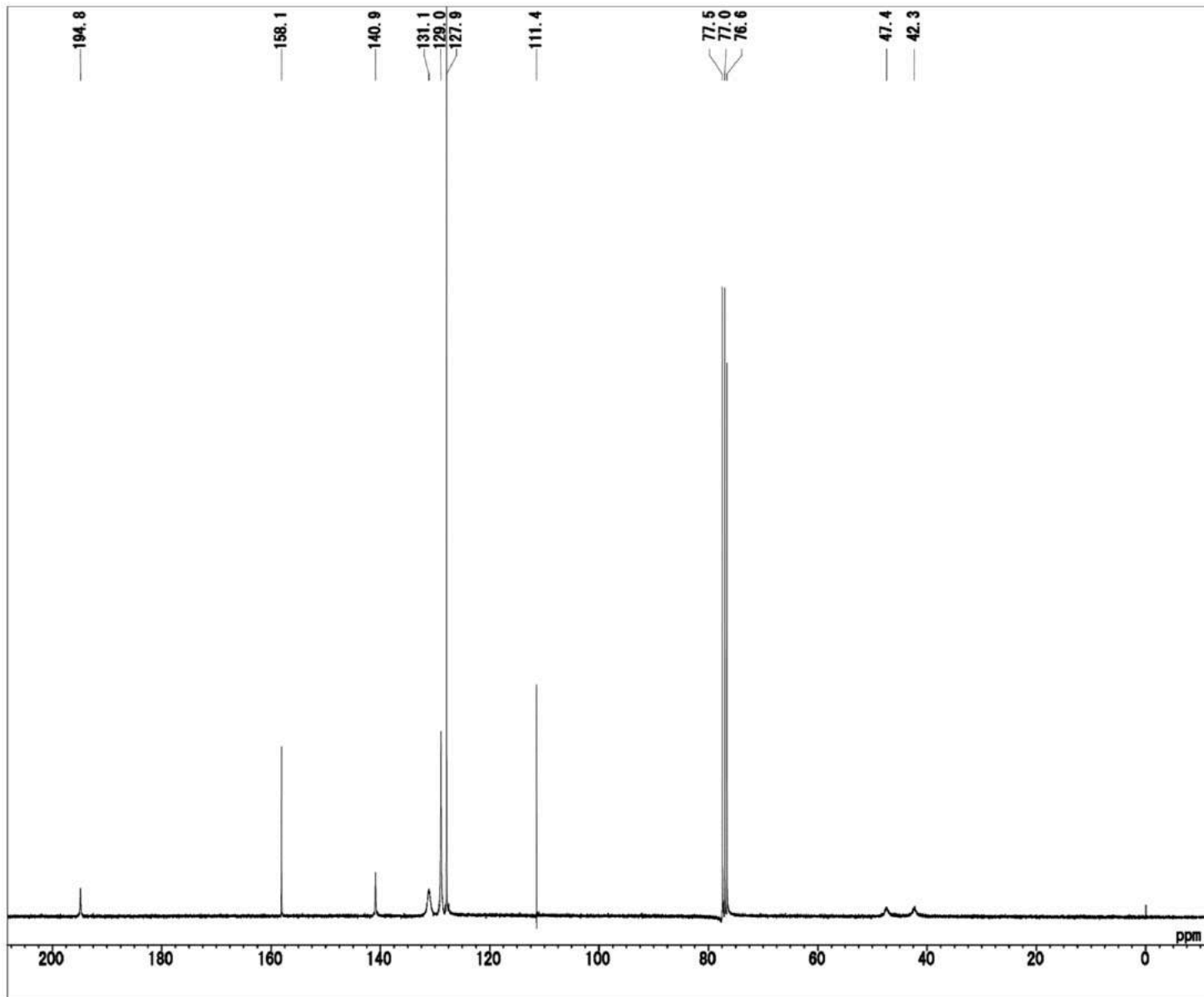
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^dFaculty of Health and Social Work, Kanagawa University of Human Services; 1-10-1 Heiseicho, Yokosuka, Kanagawa 238-8522, Japan.

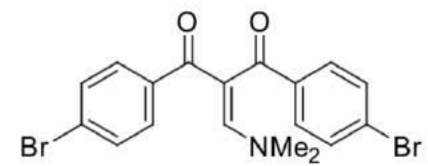
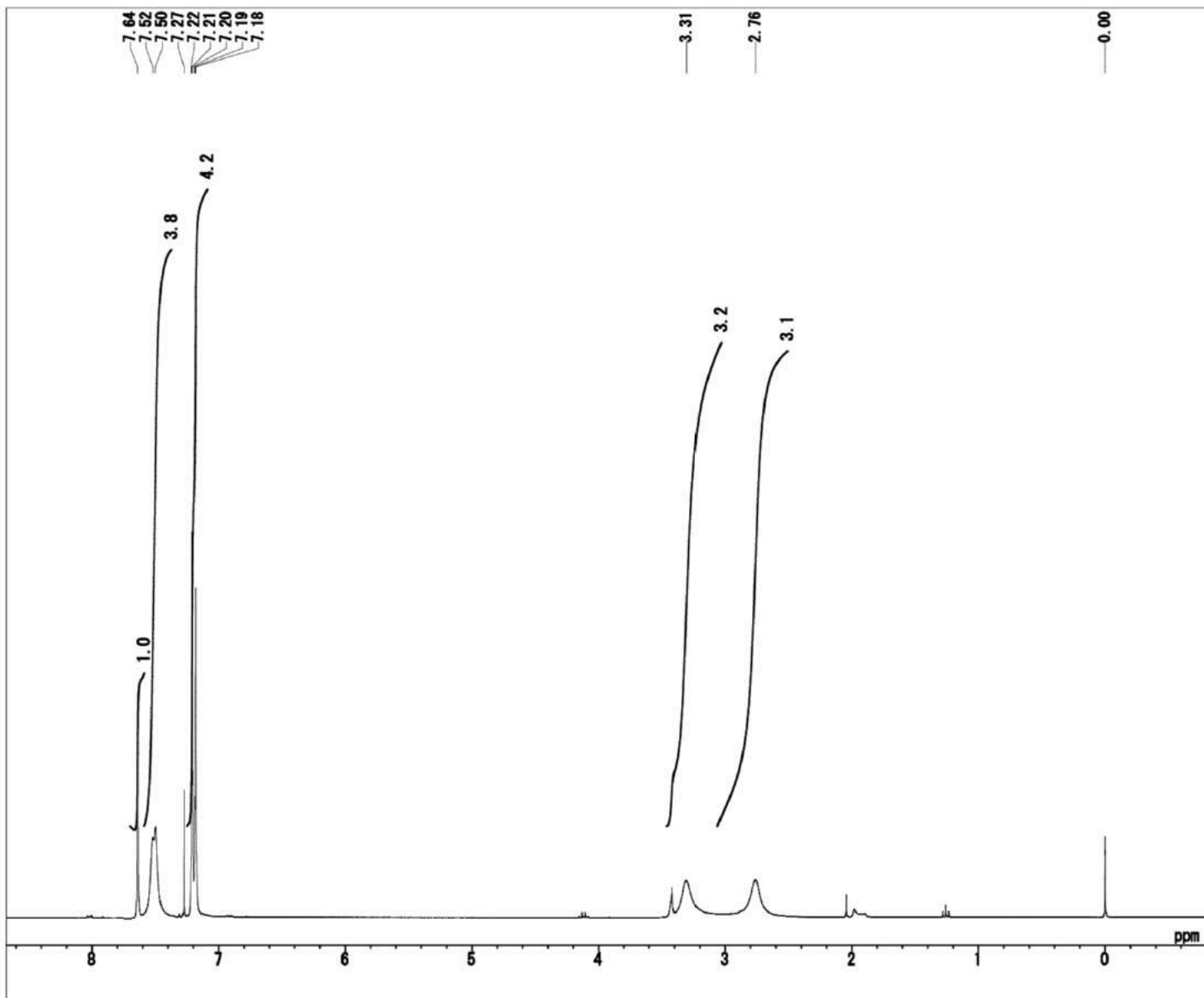
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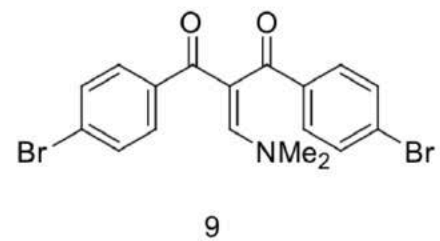
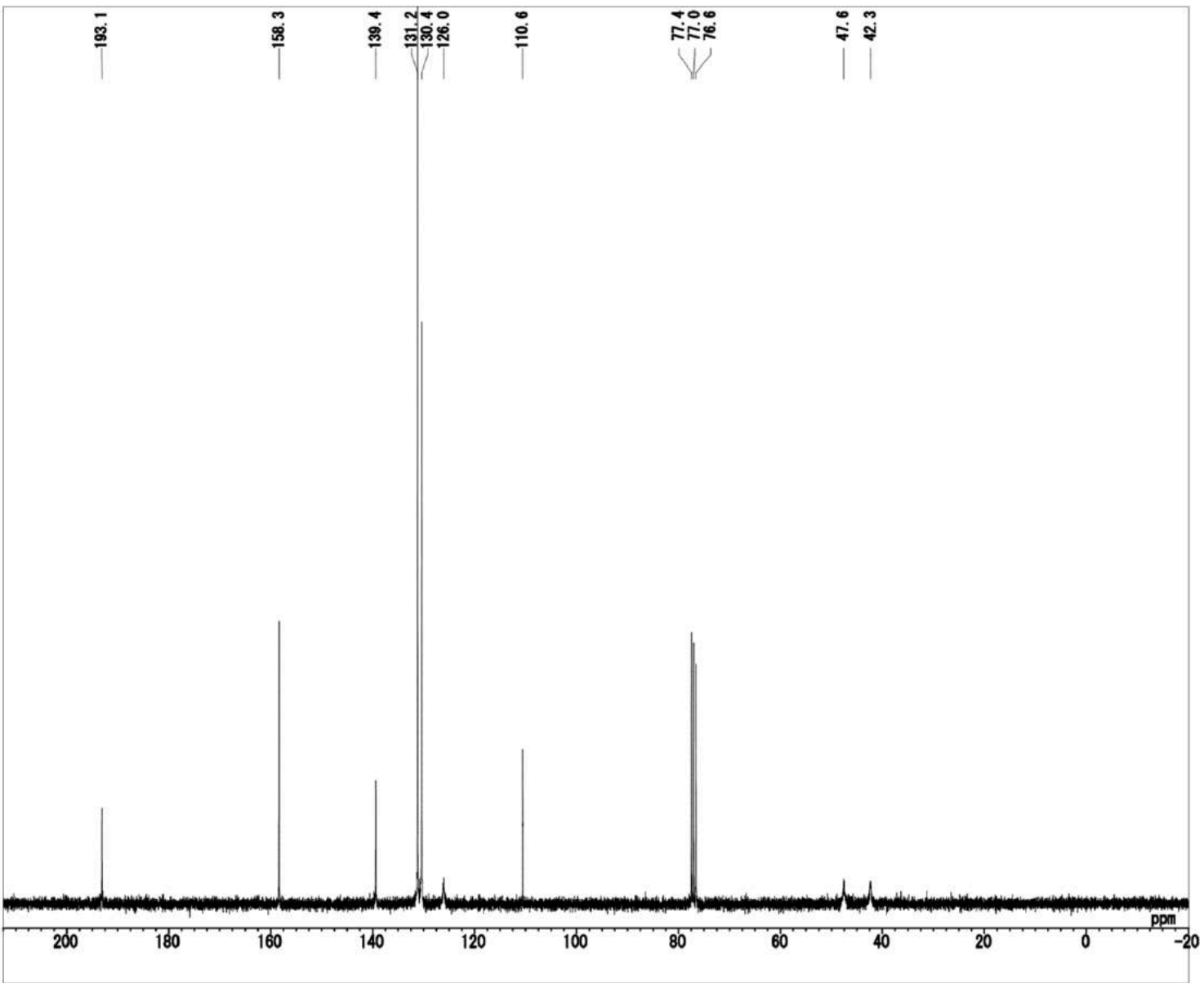
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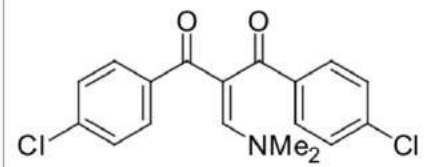
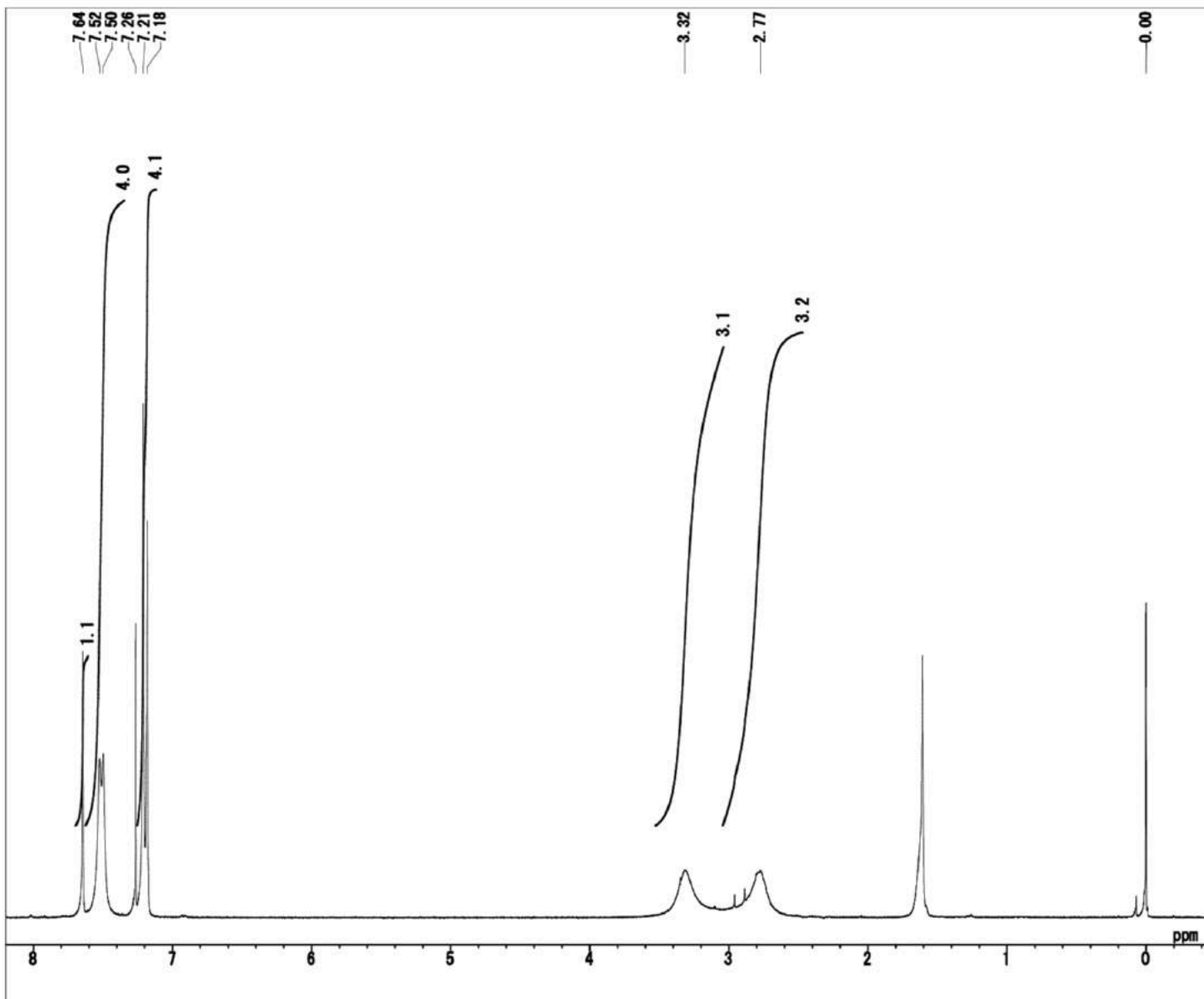


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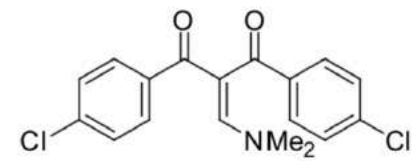
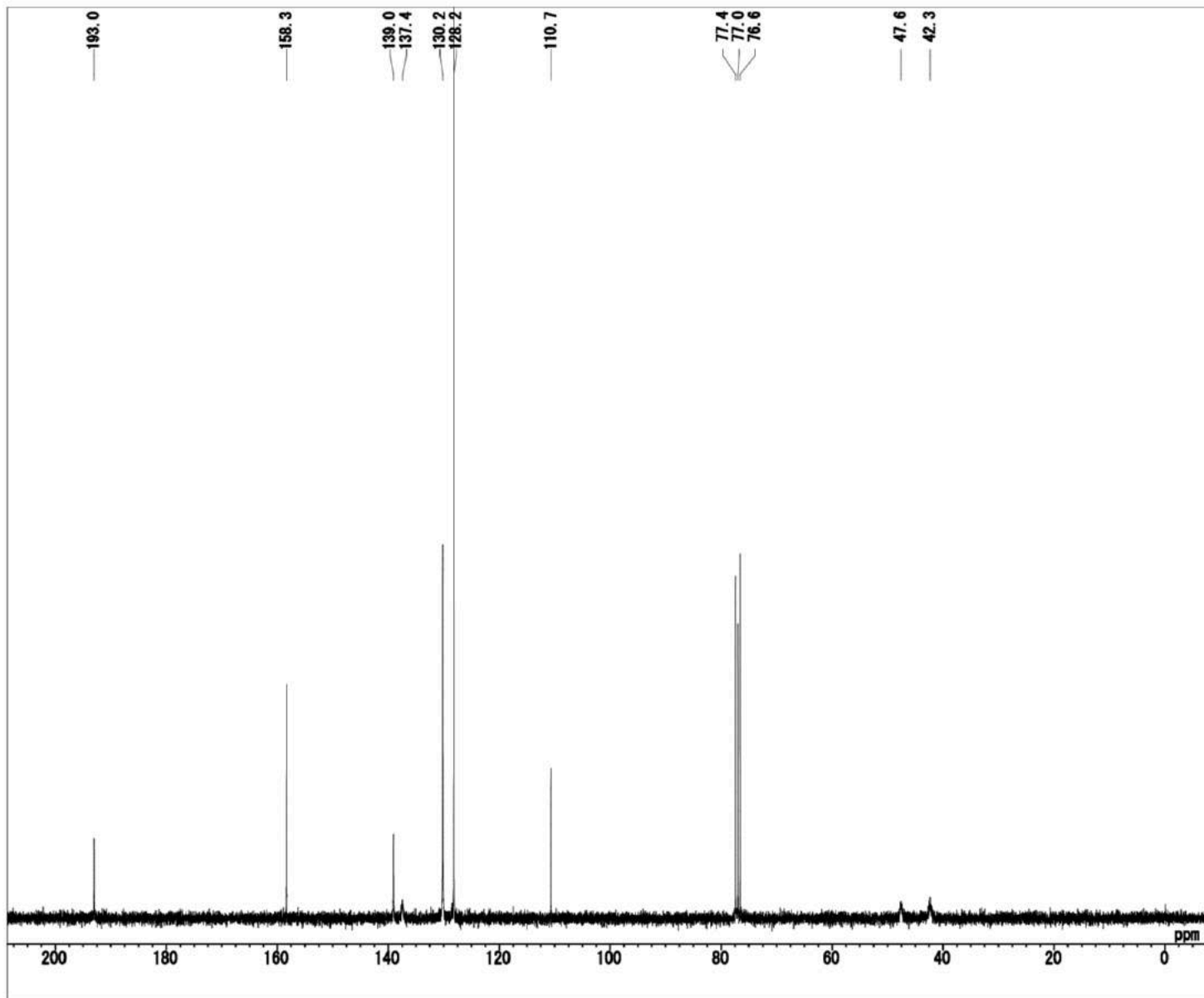


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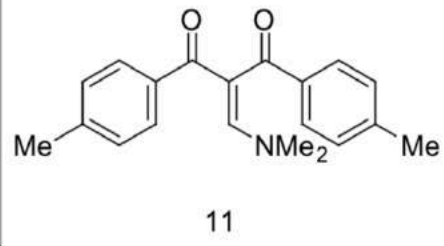
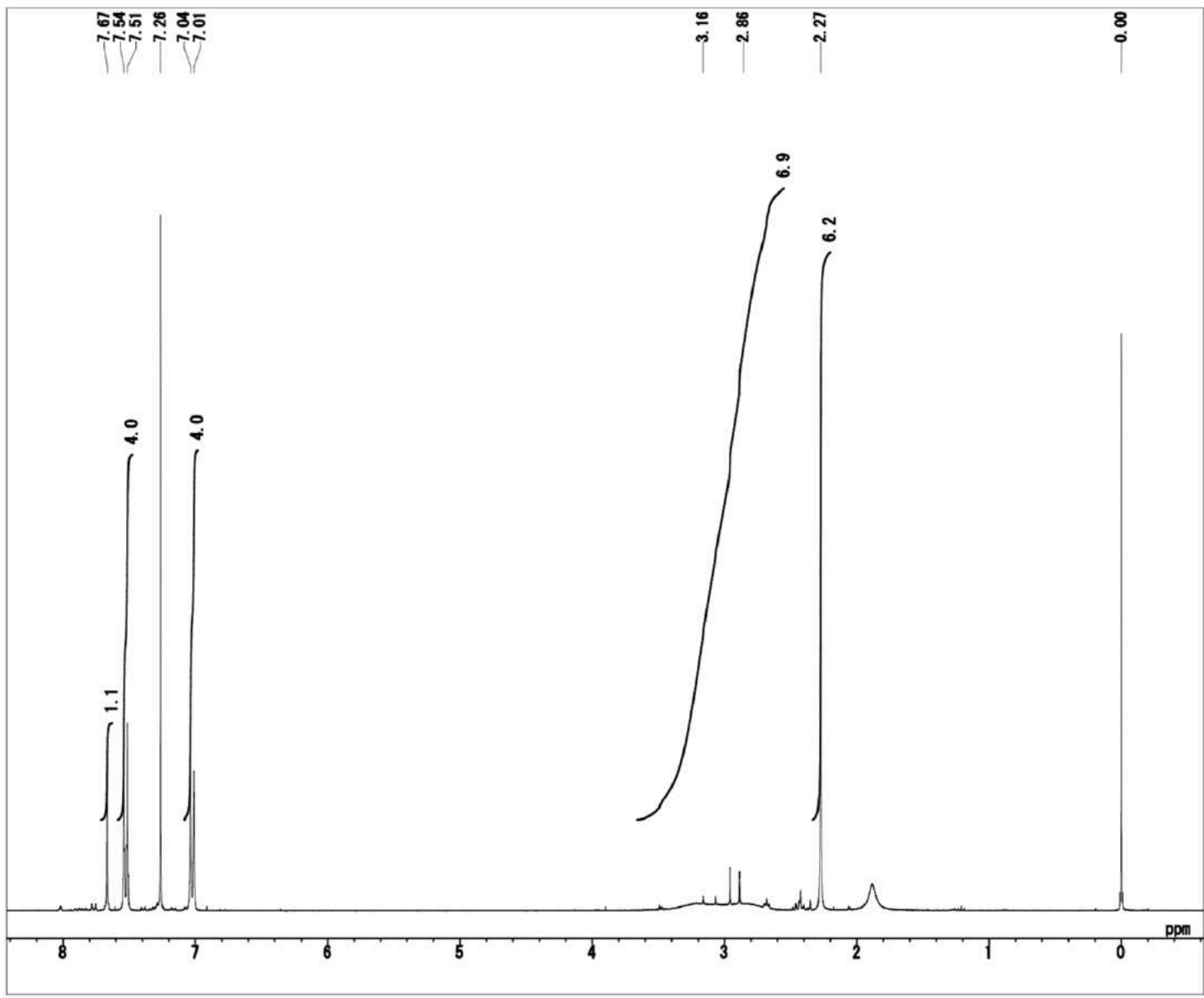


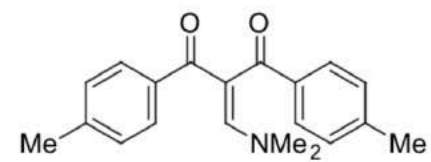
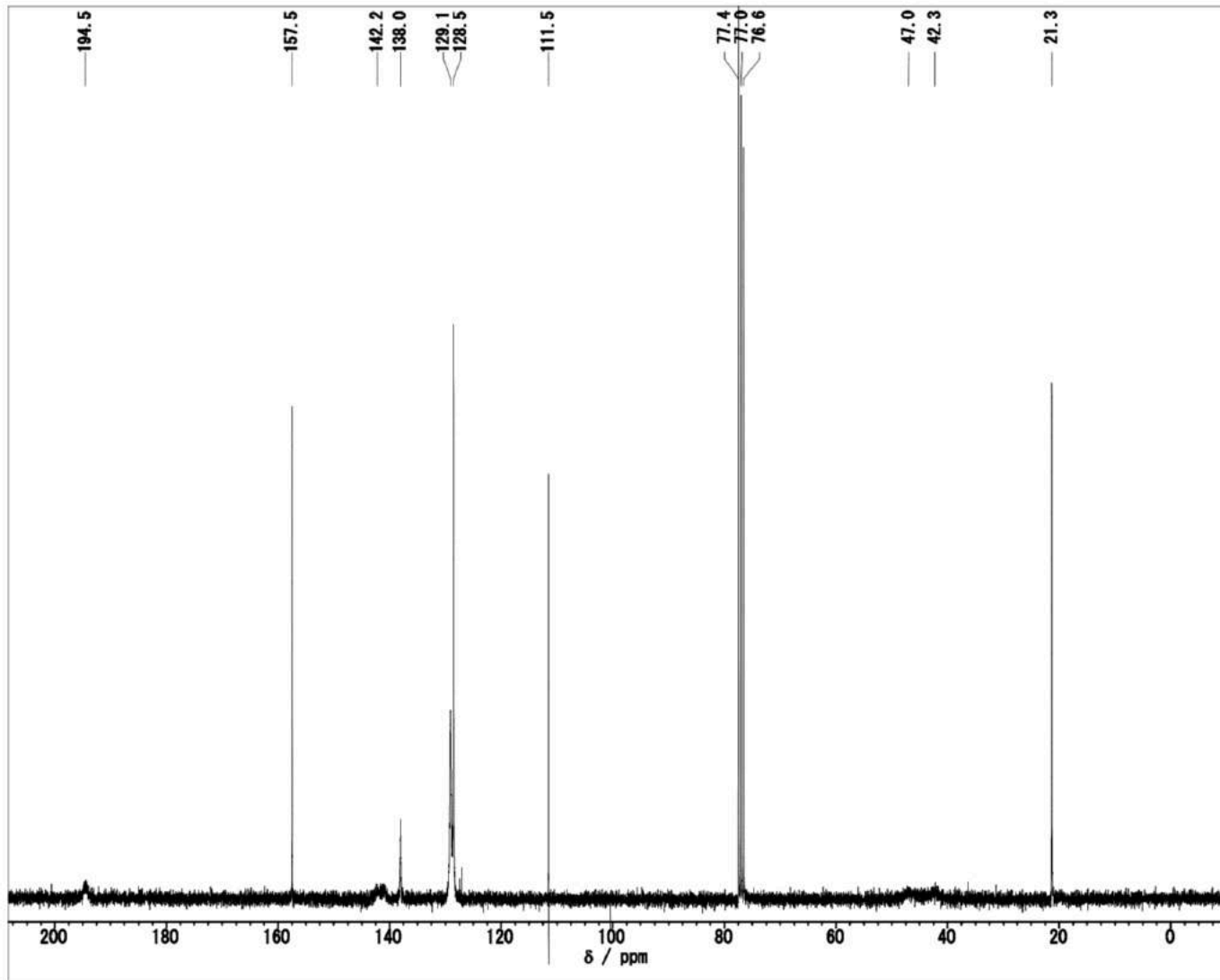


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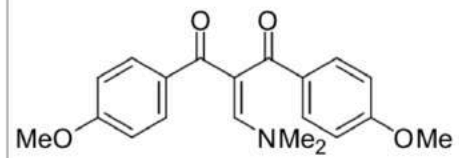
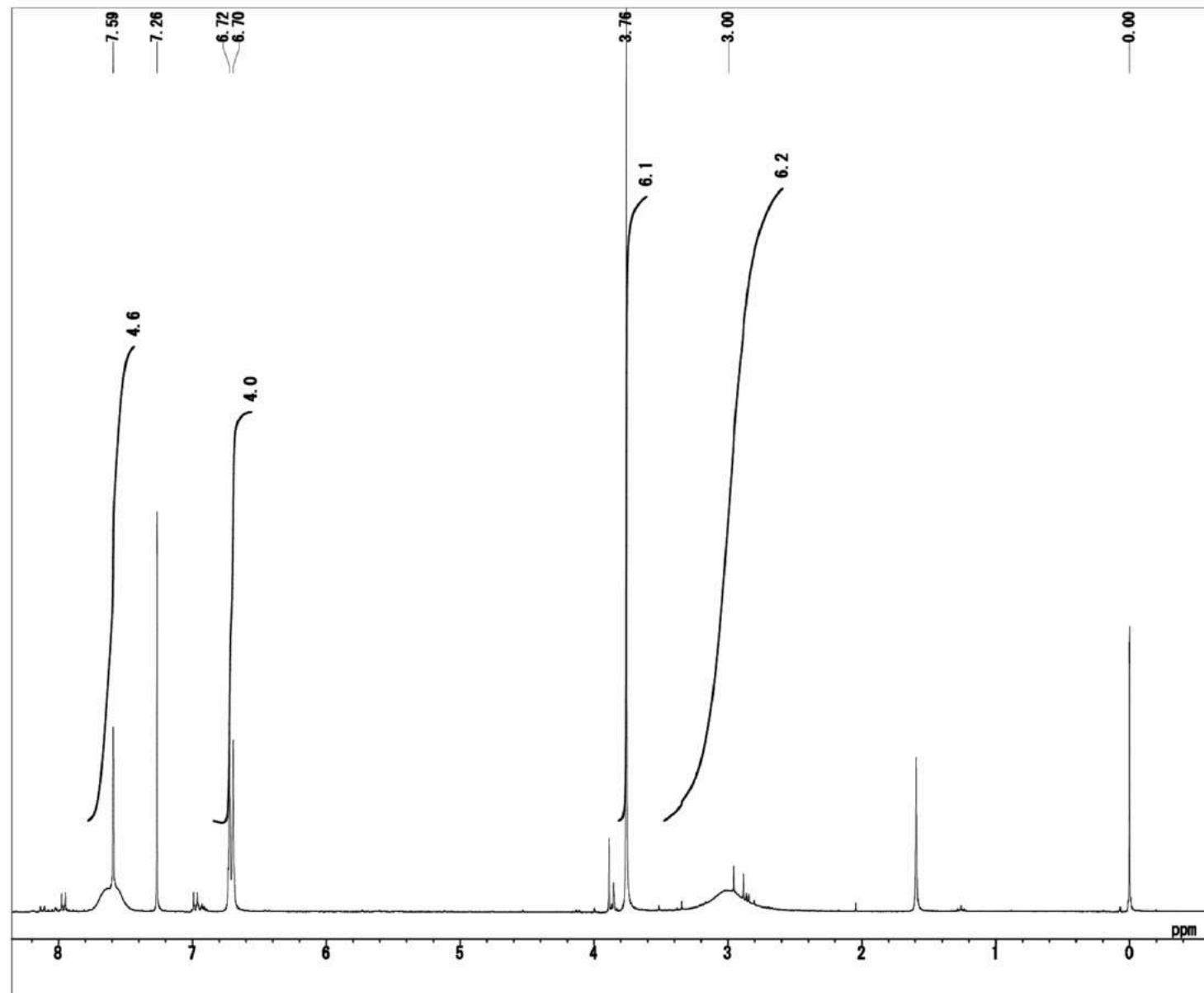


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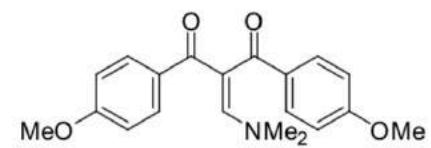
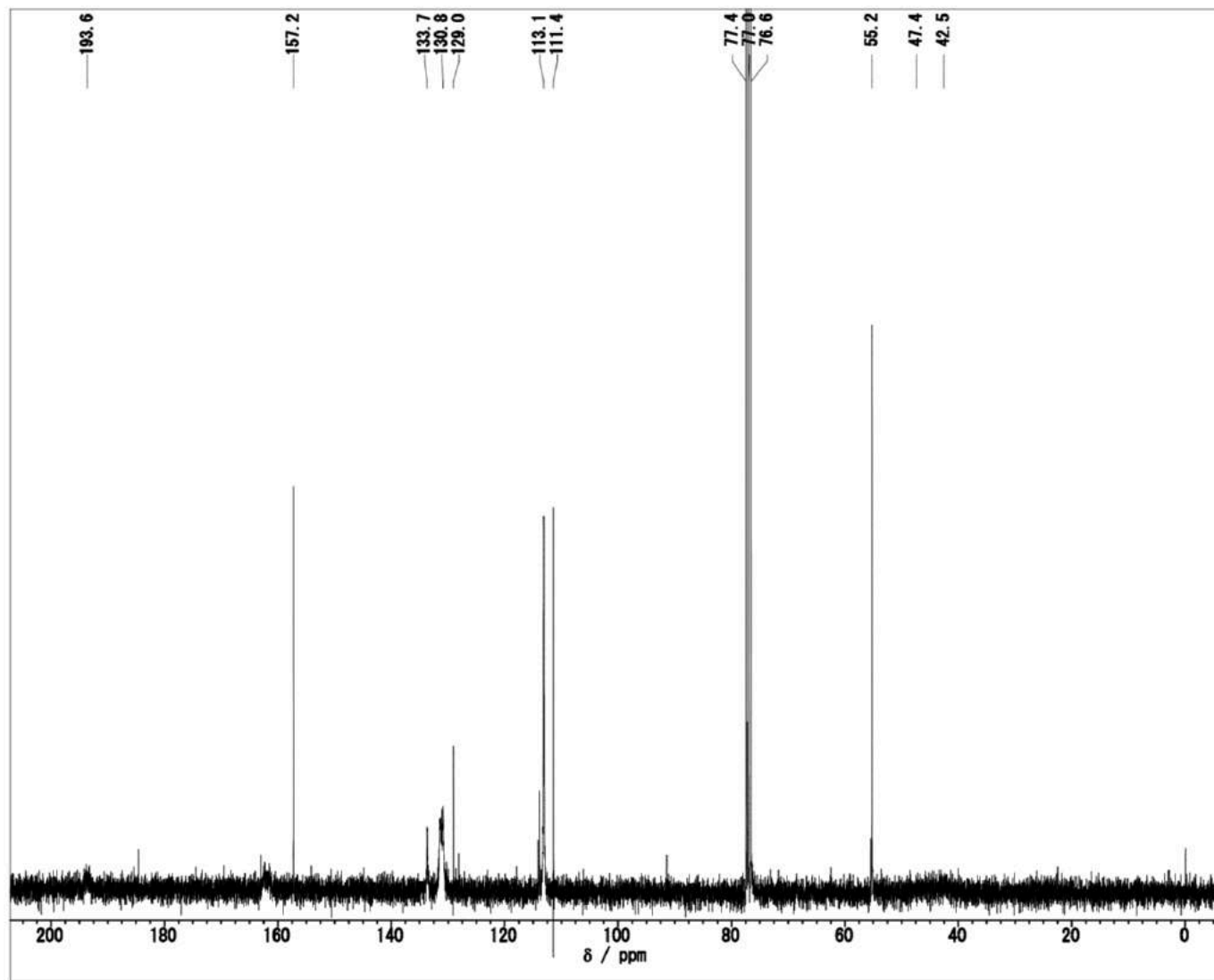




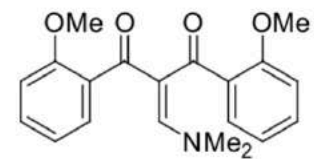
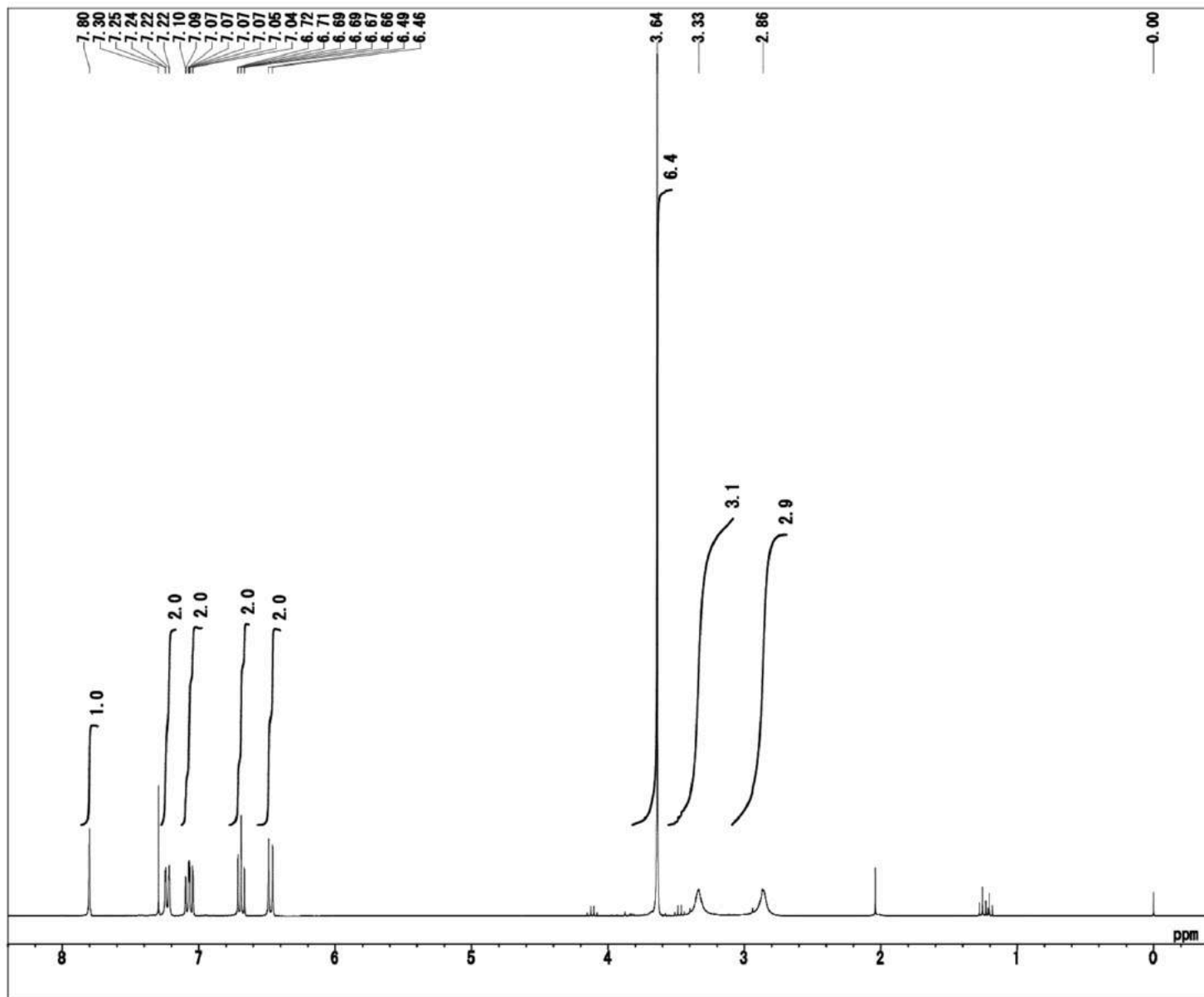
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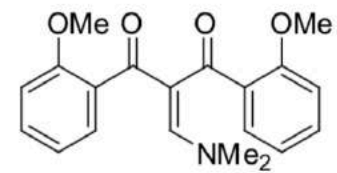
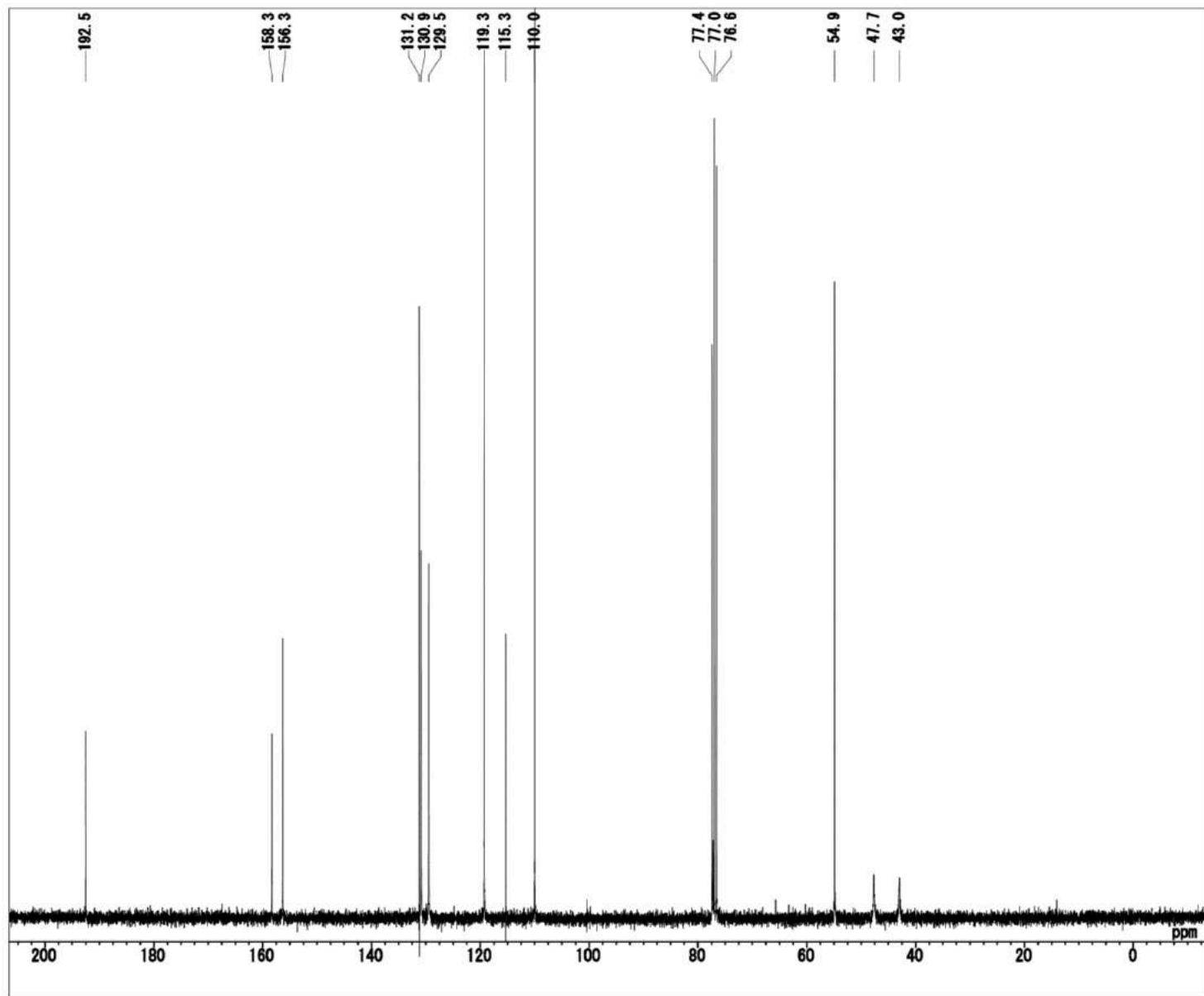
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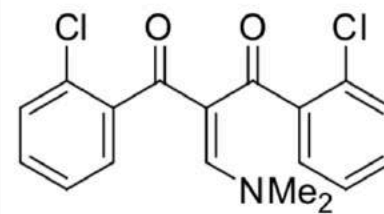
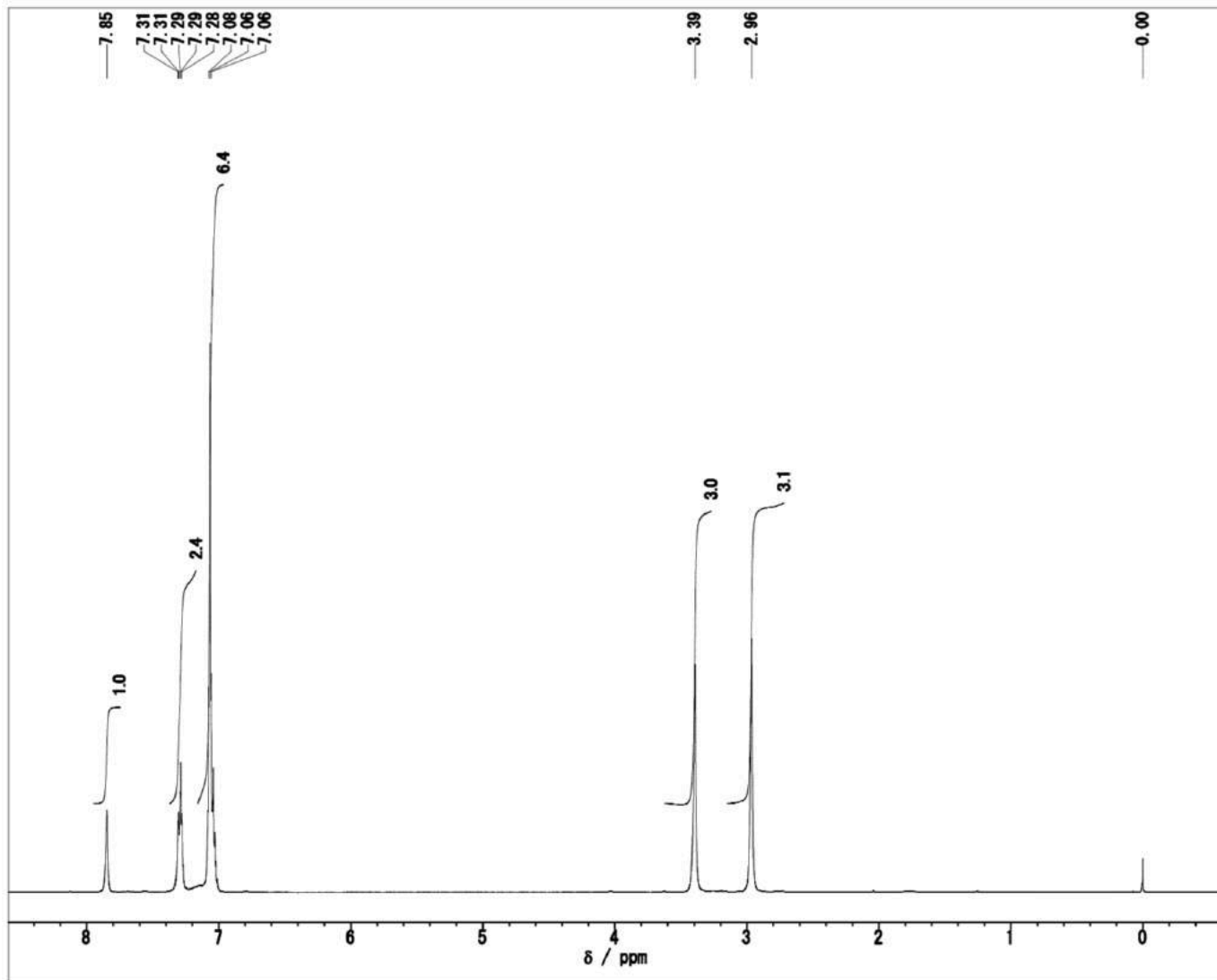
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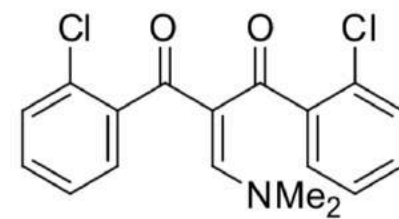
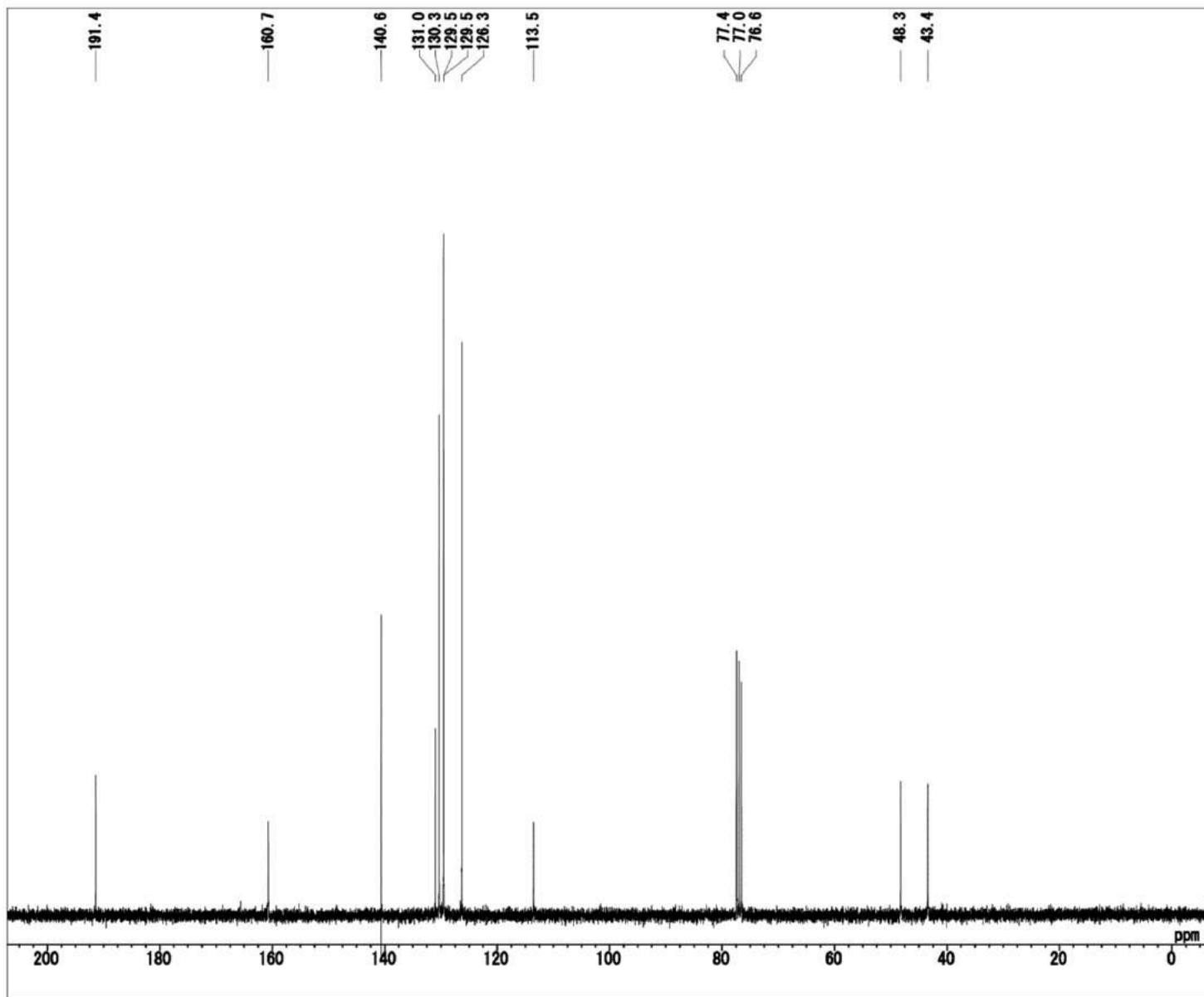
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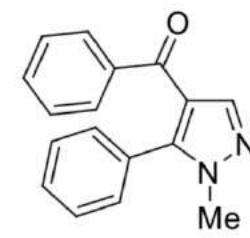
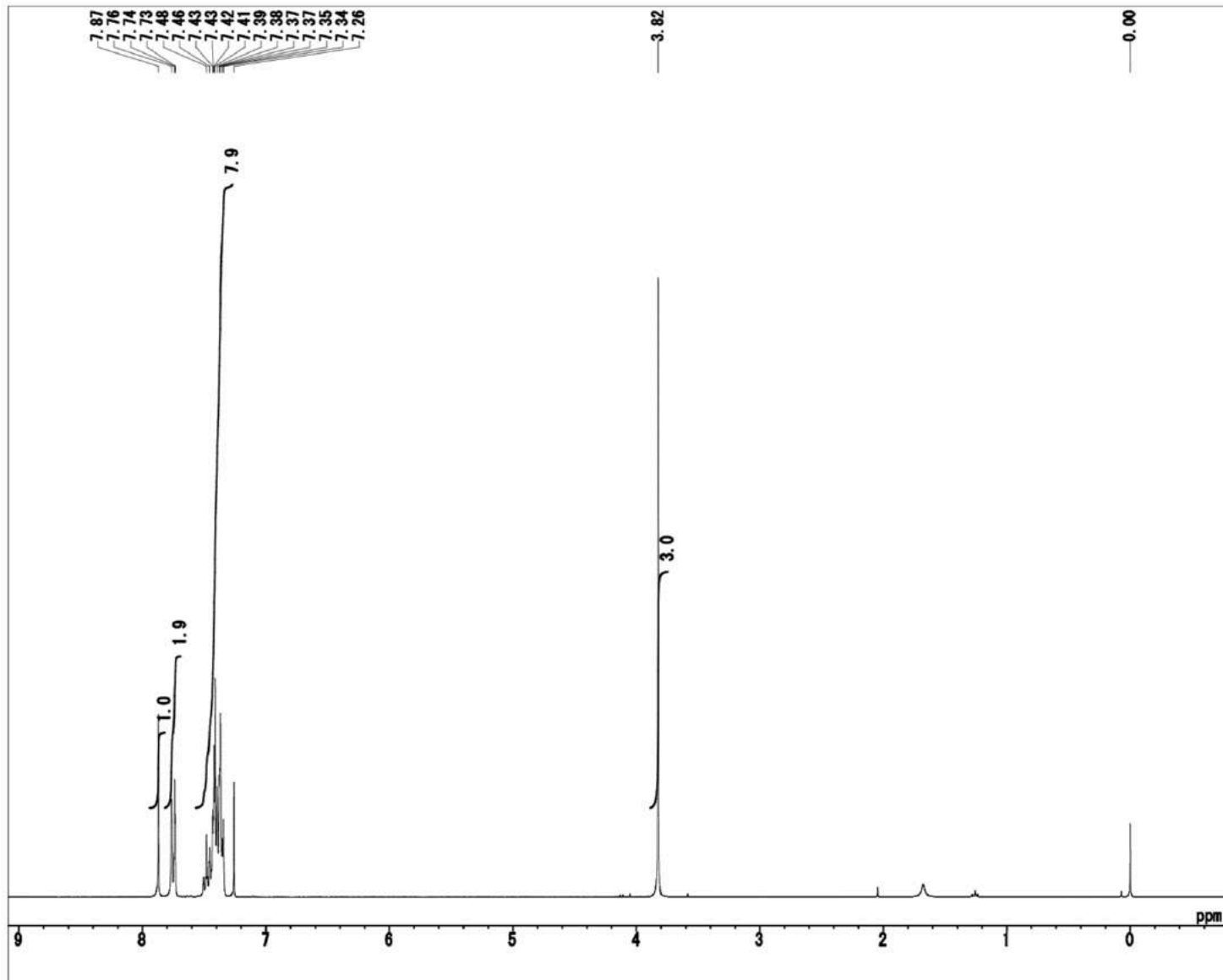
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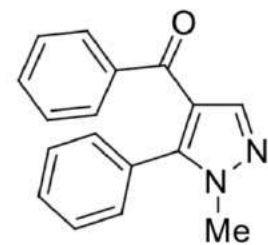
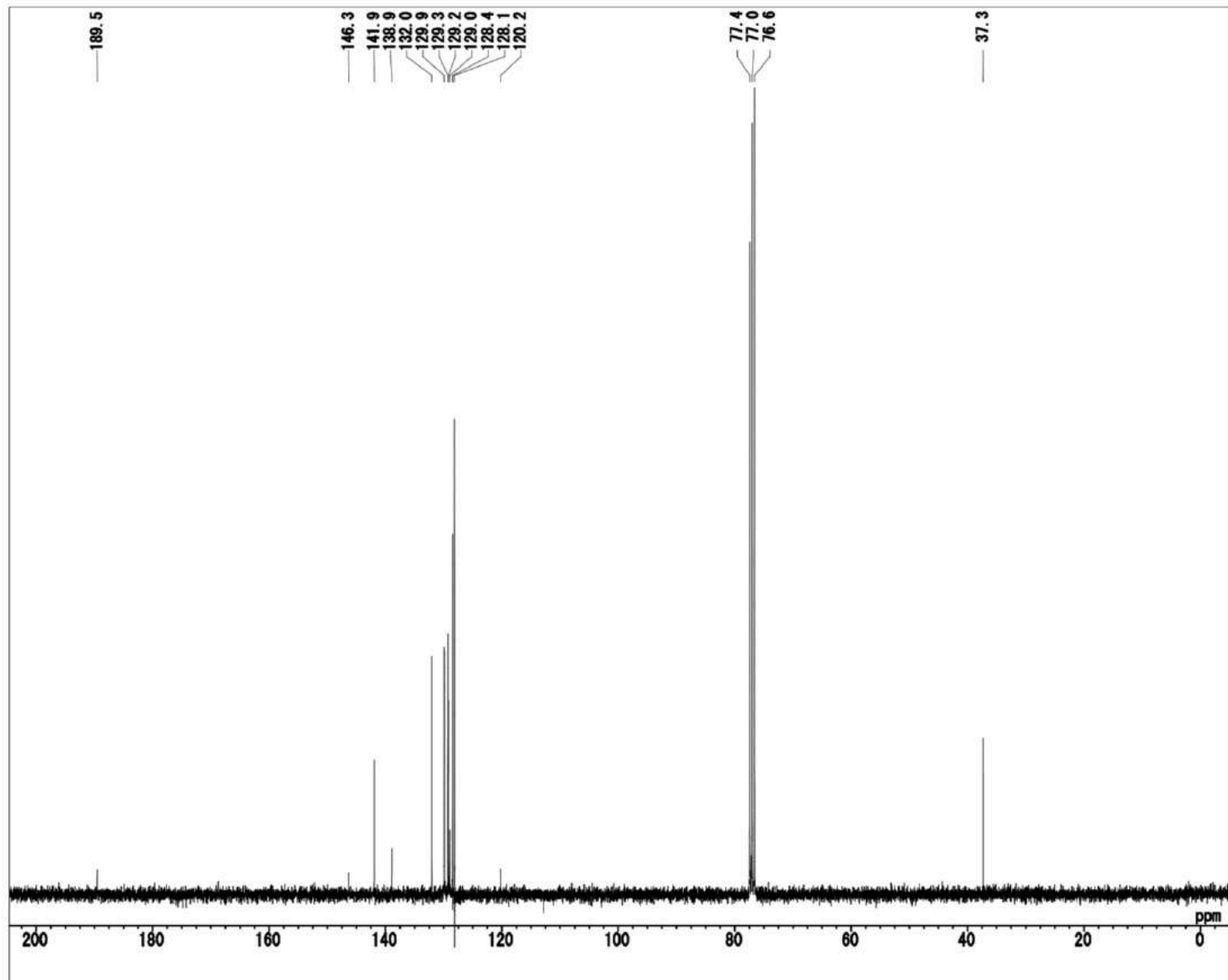
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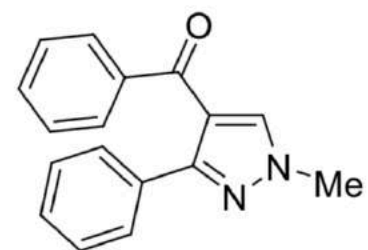
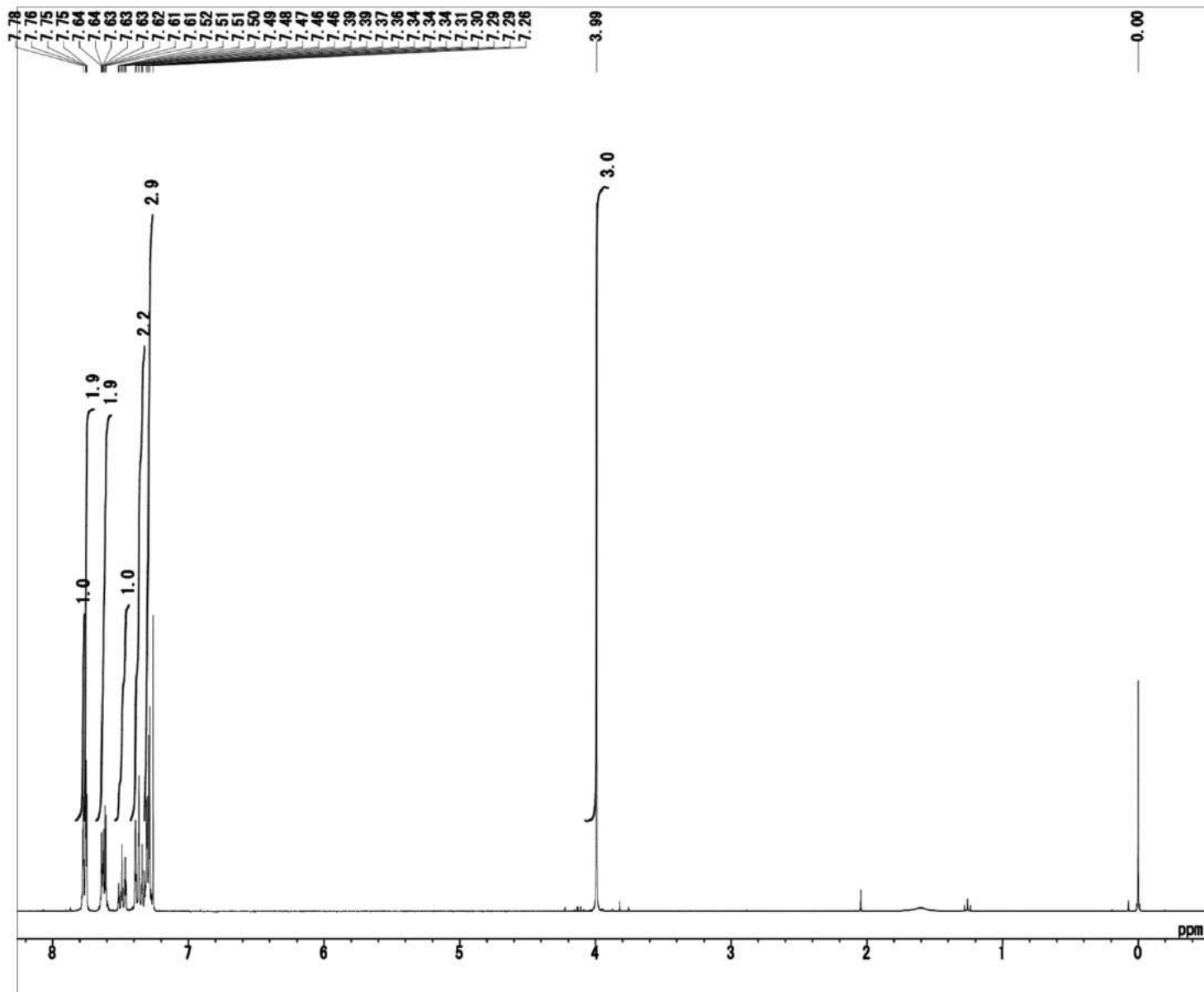
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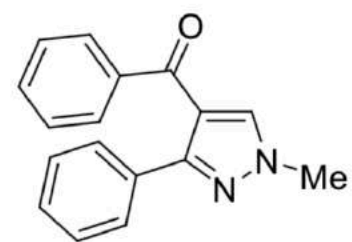
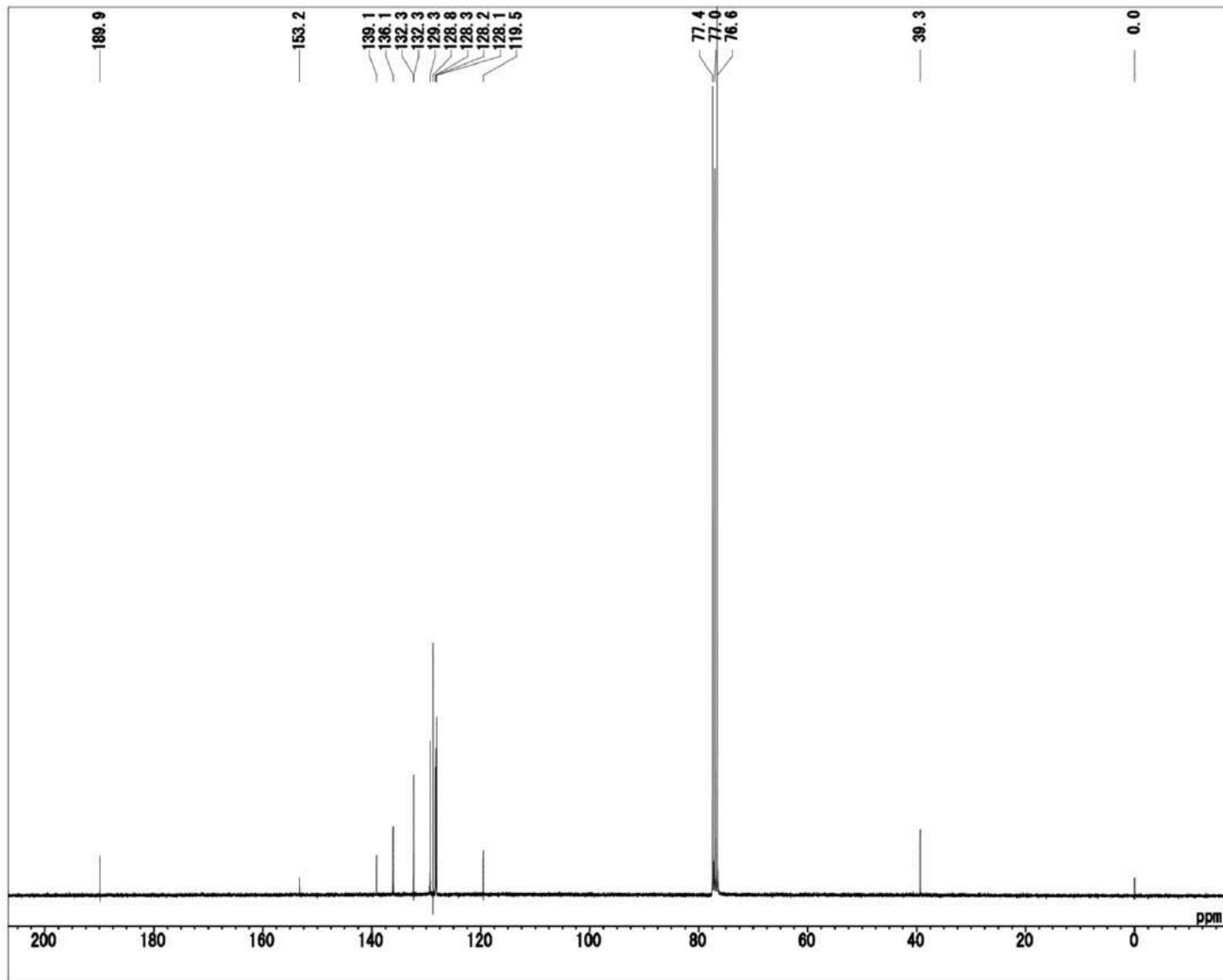
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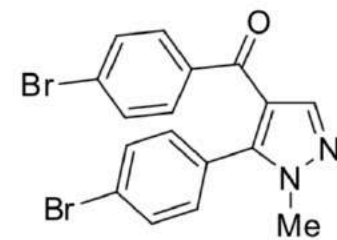
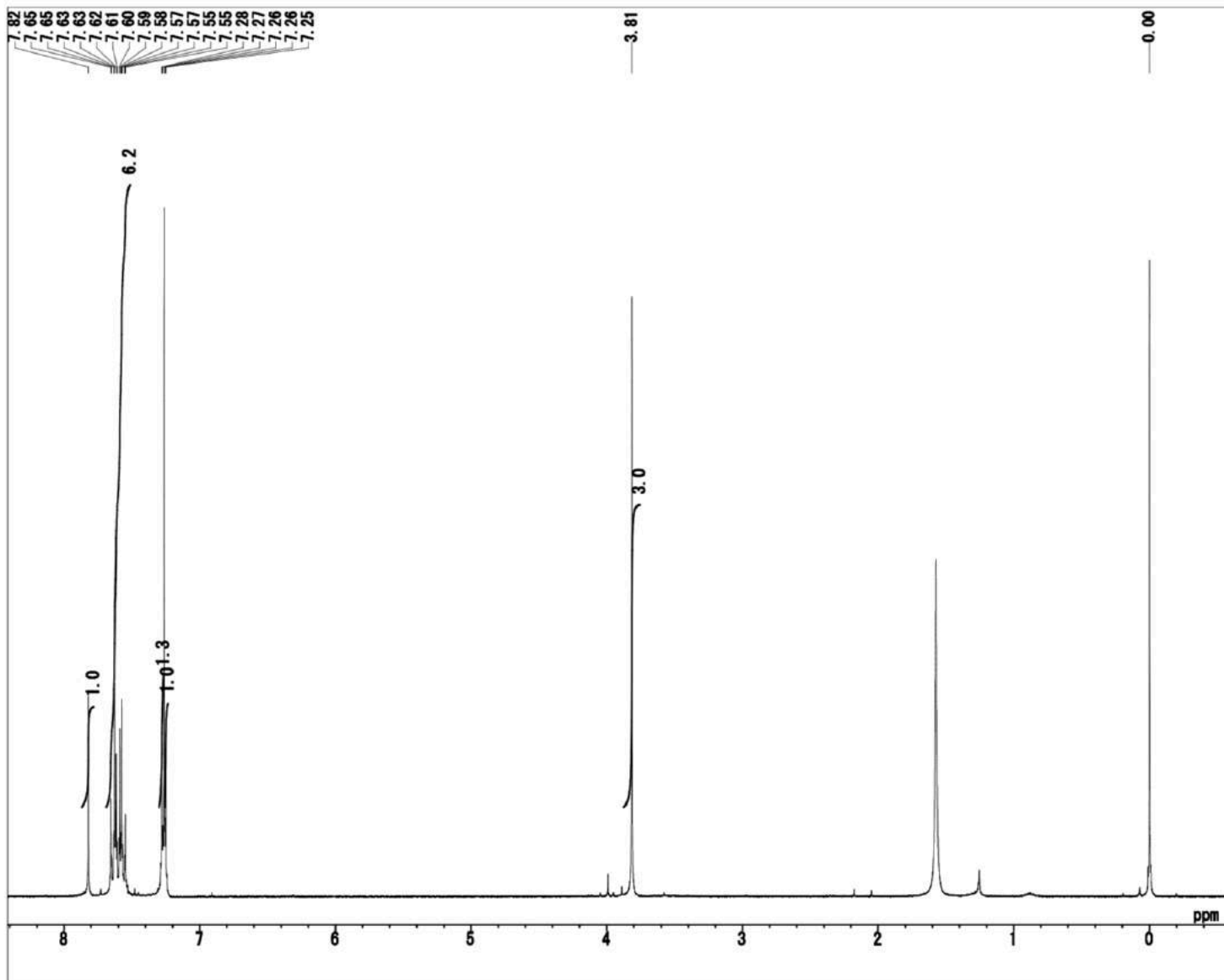
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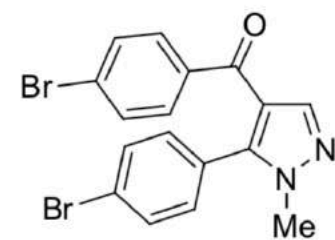
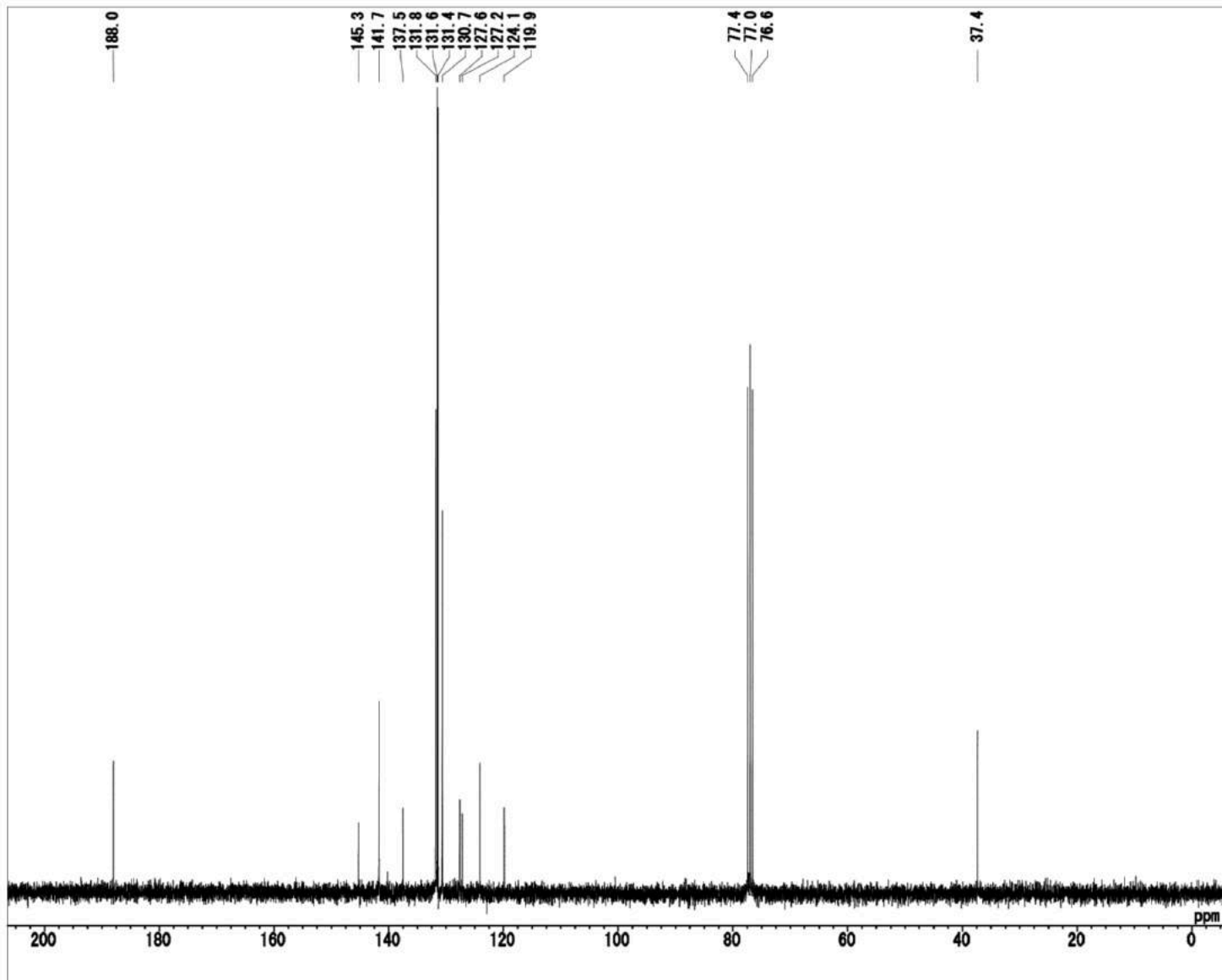
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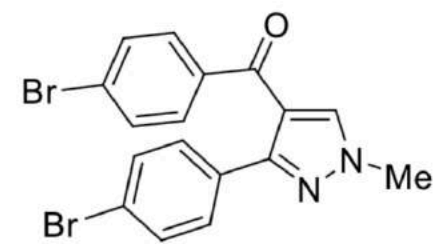
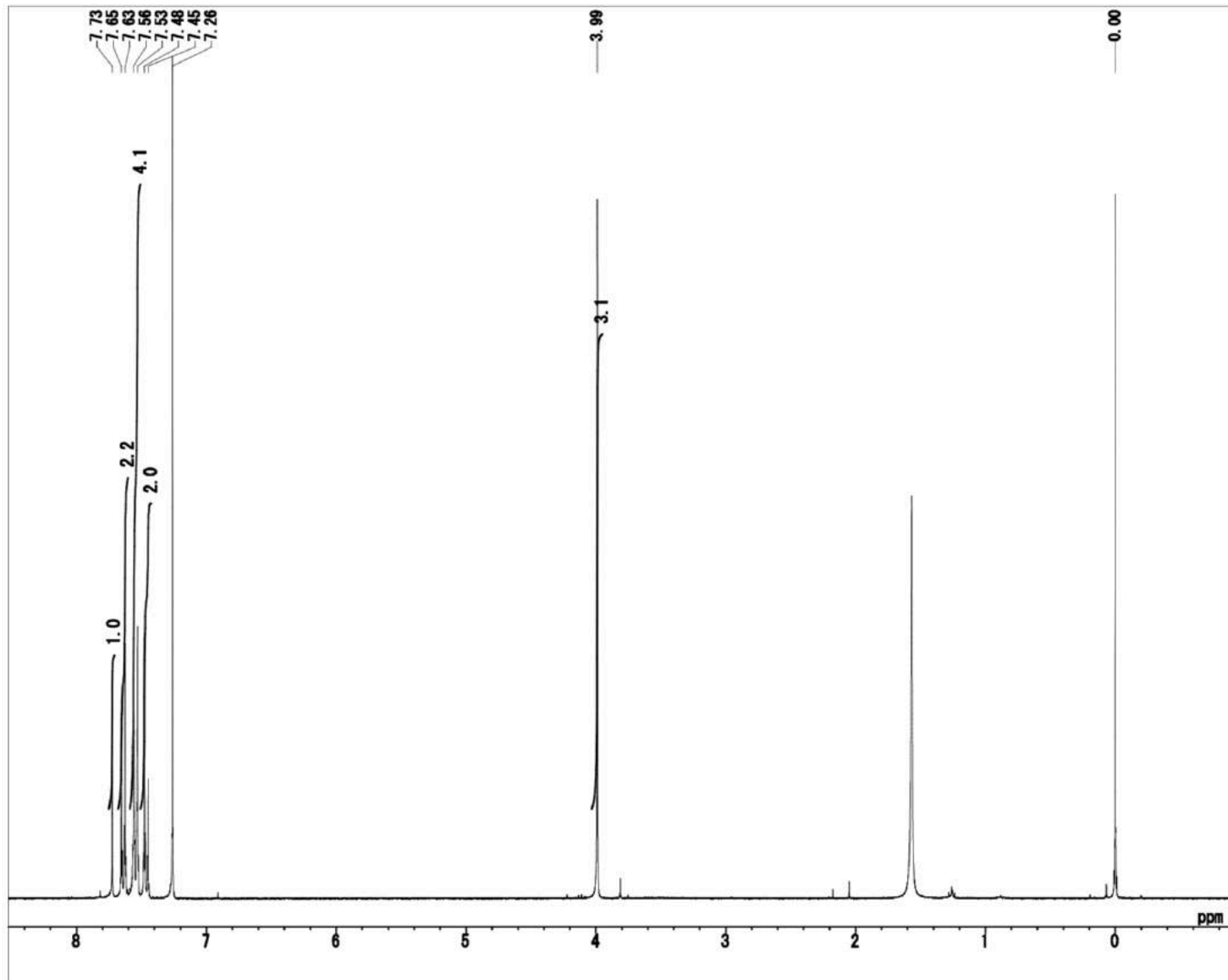
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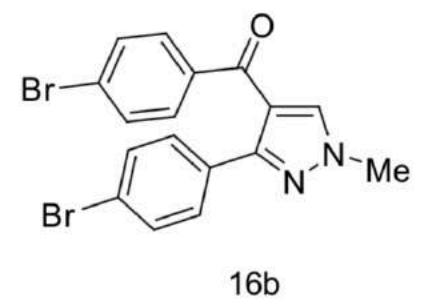
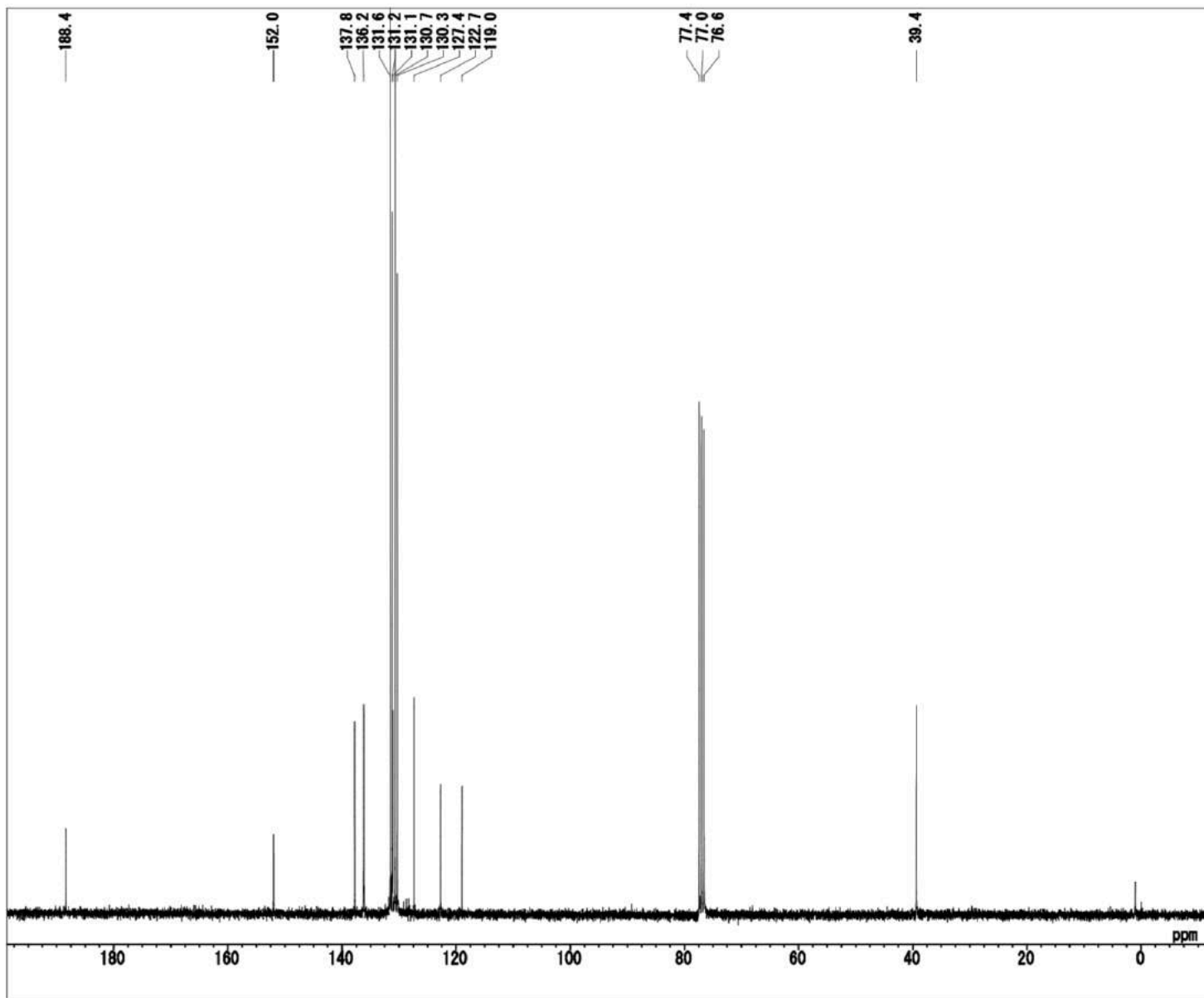
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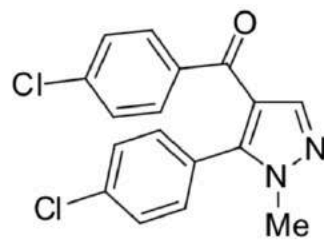
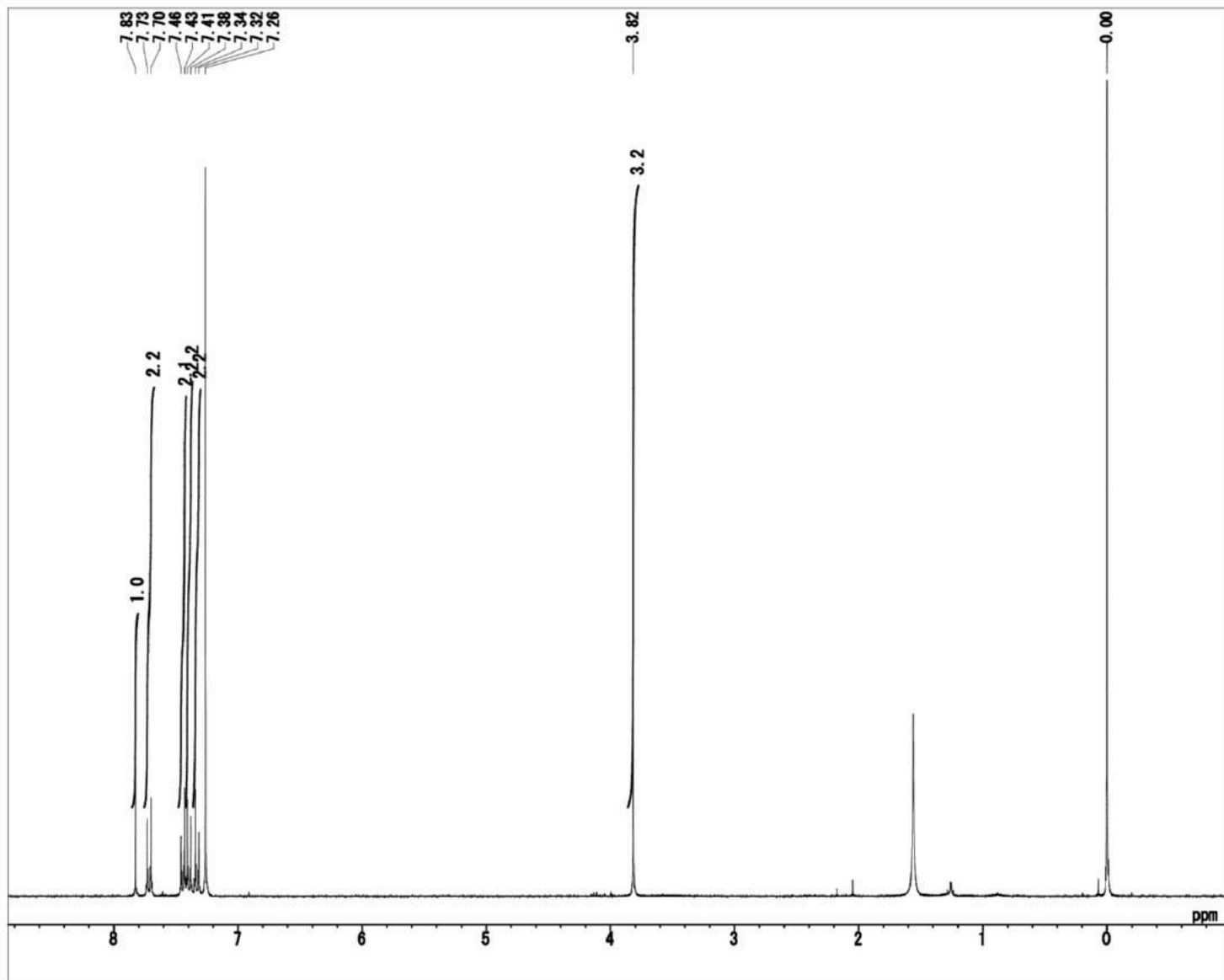


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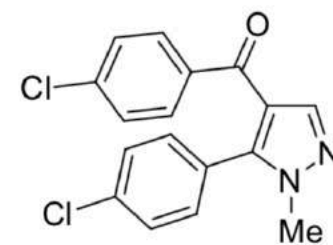
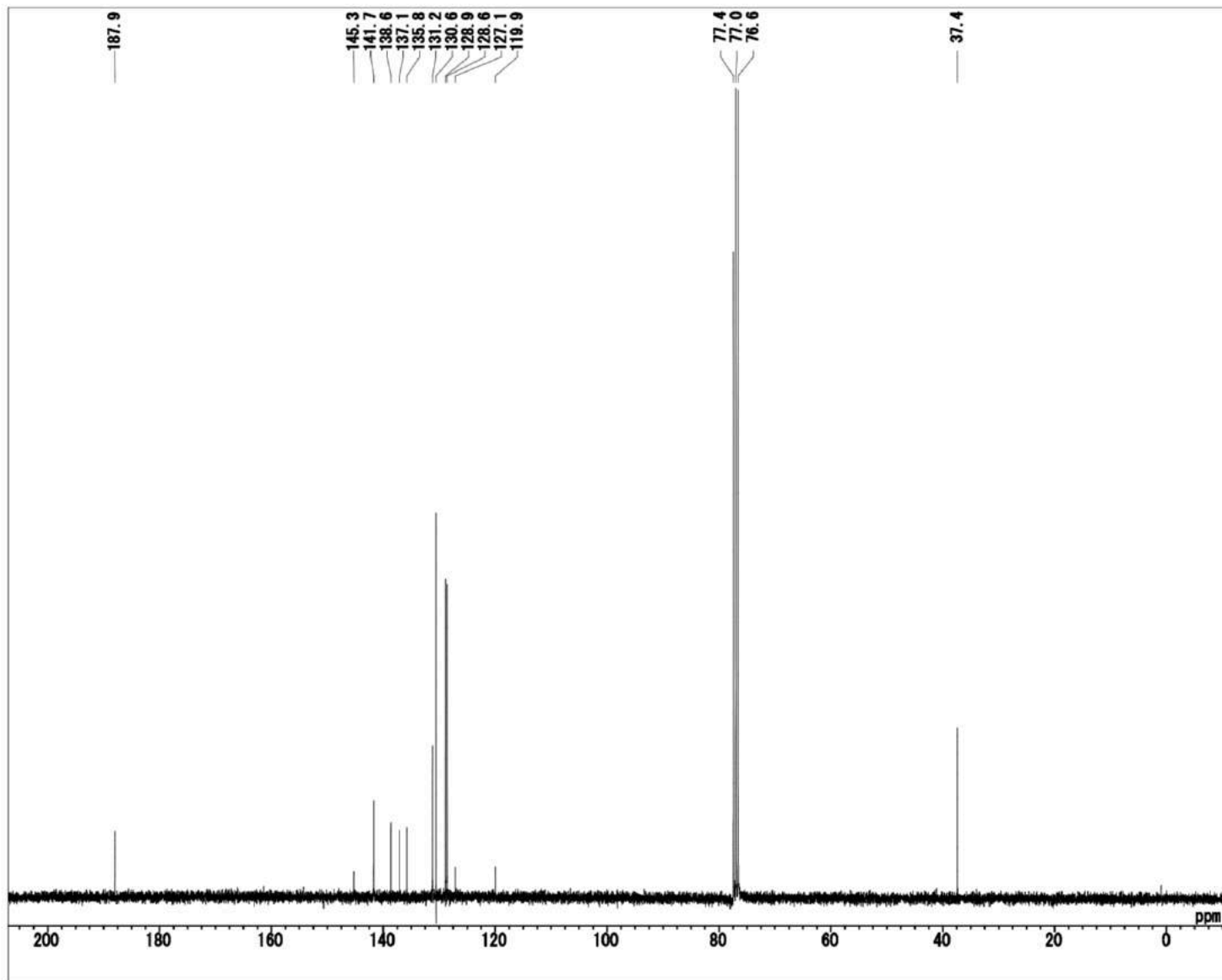


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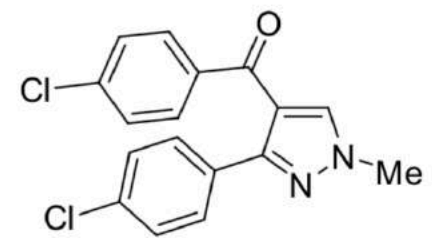
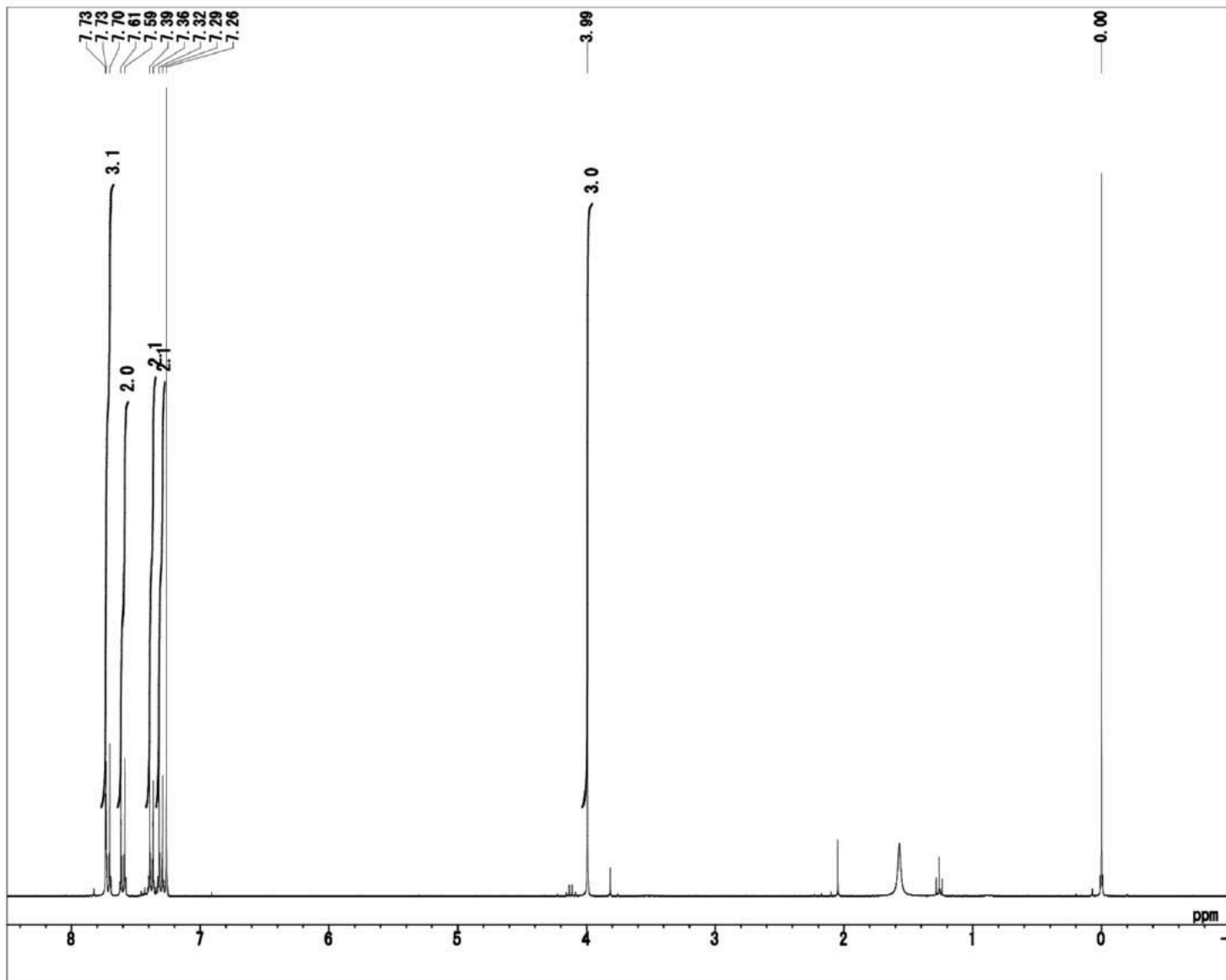




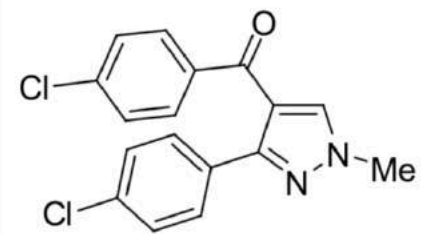
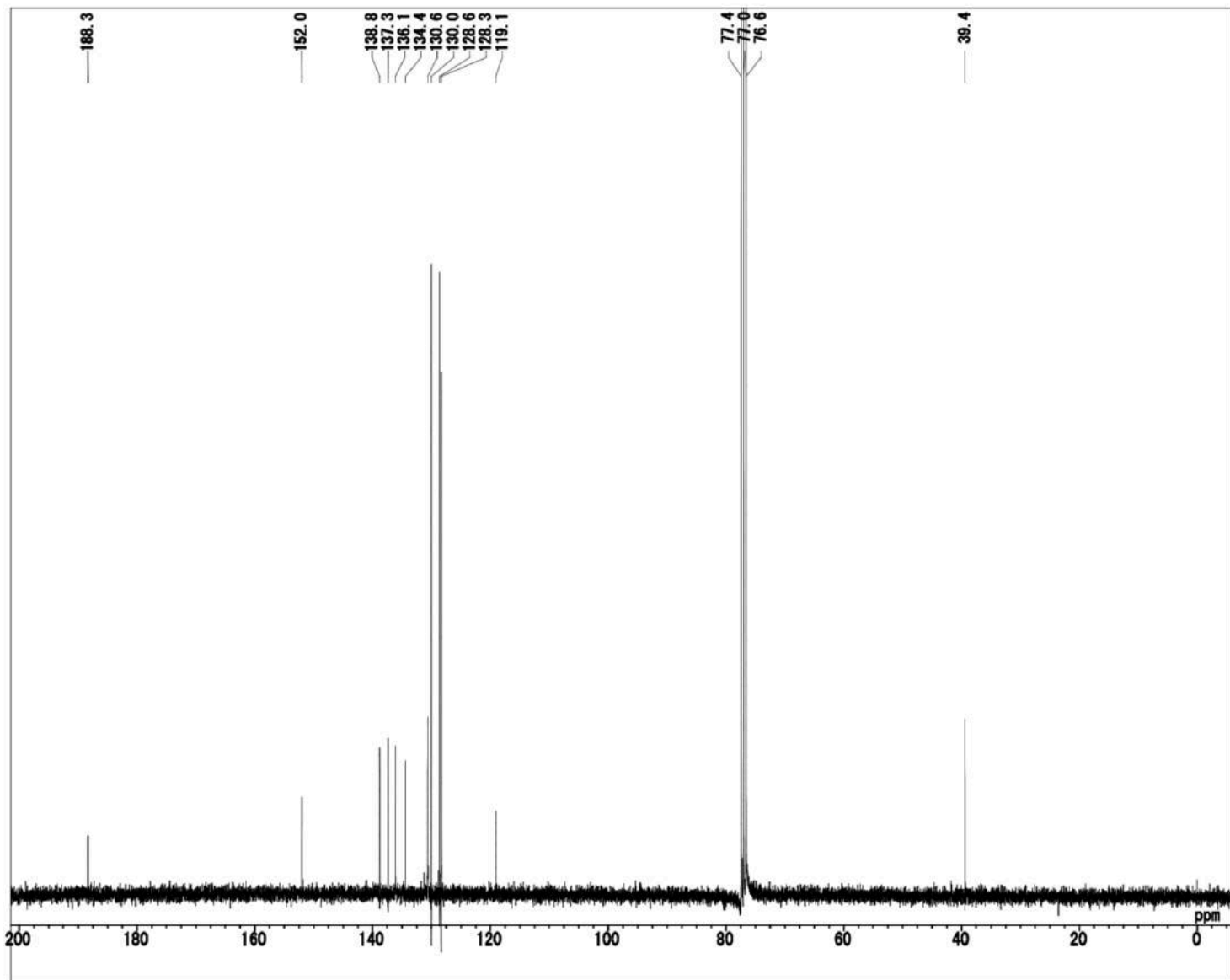
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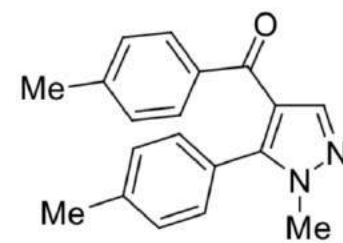
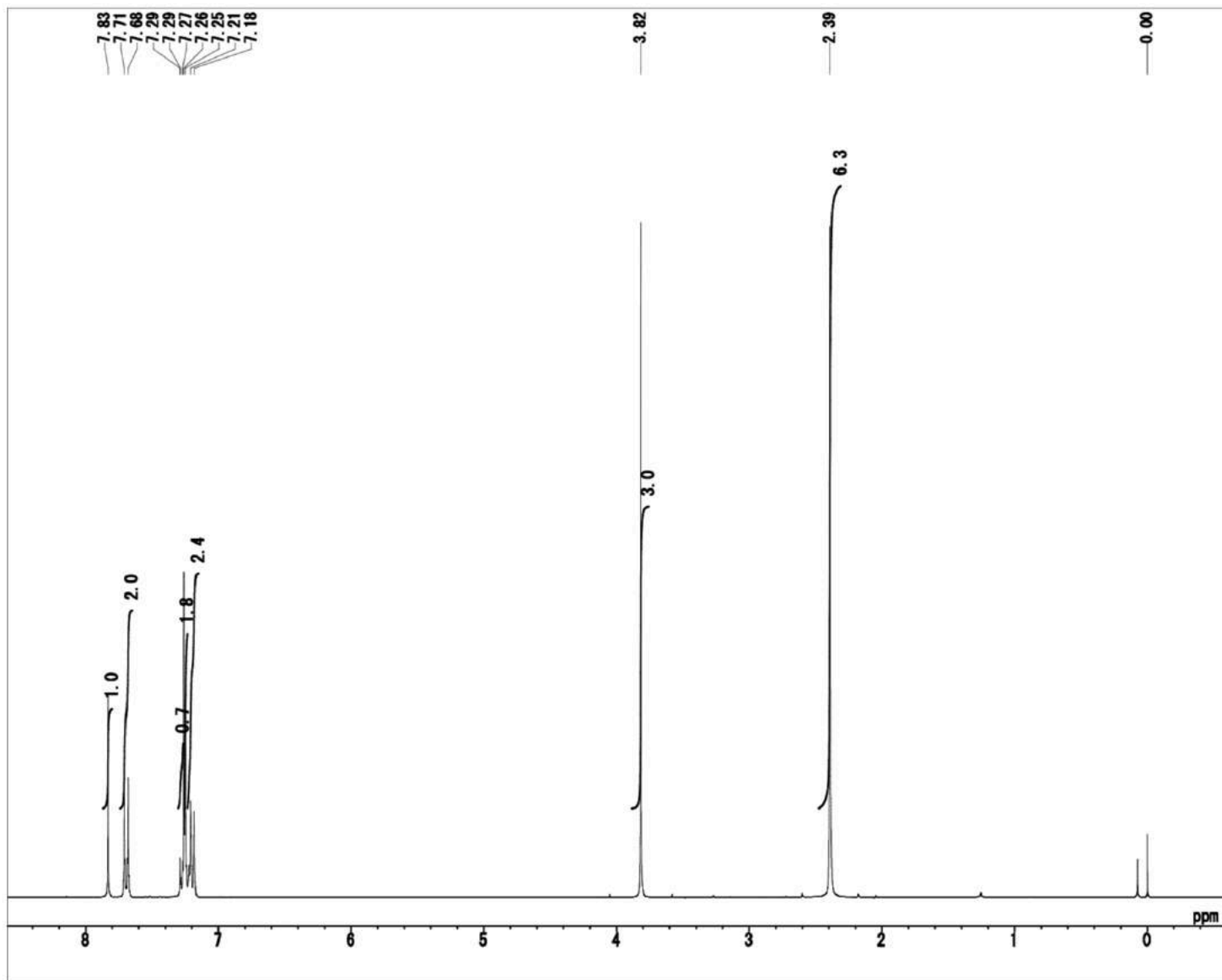
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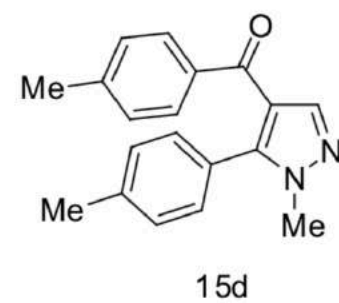
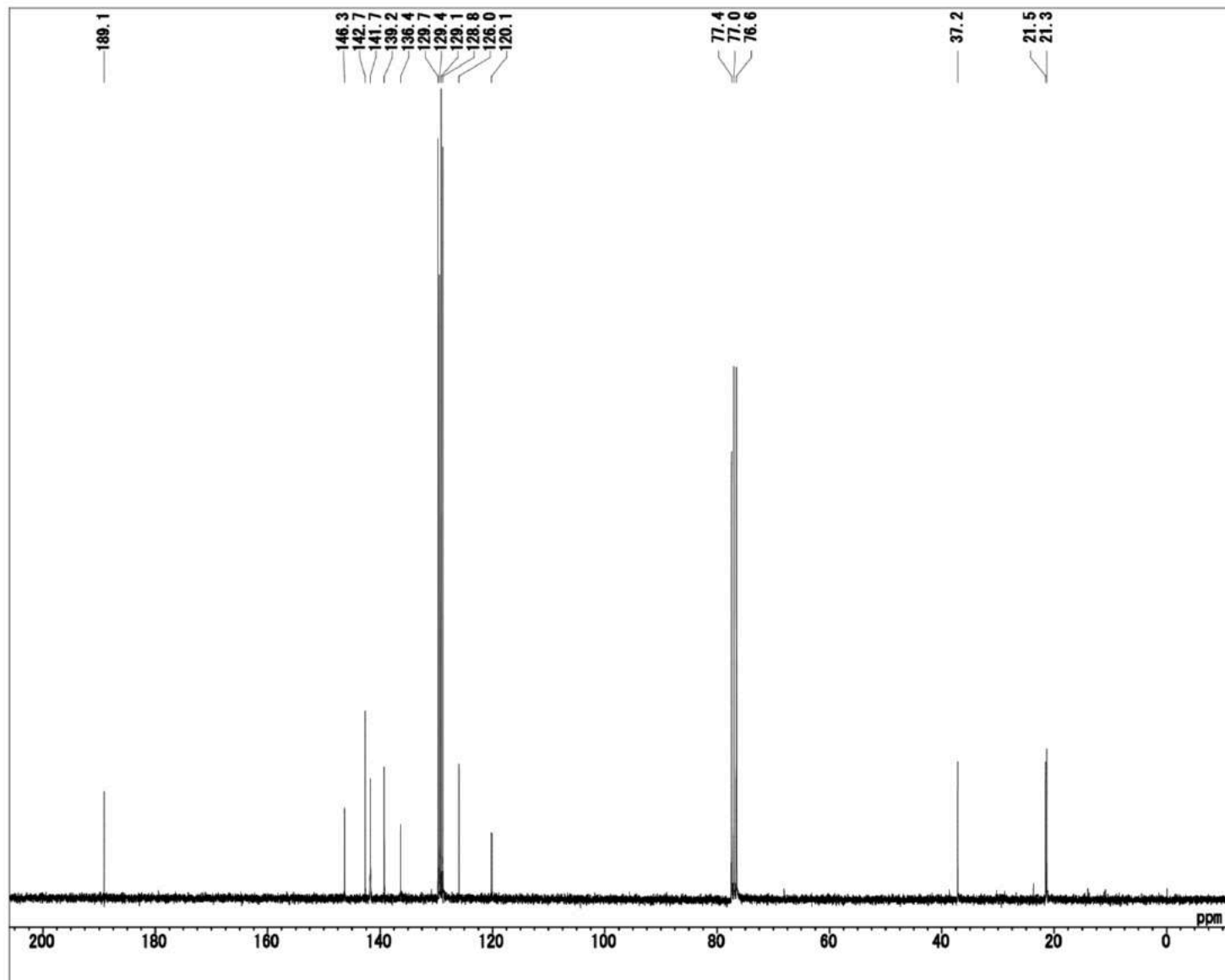
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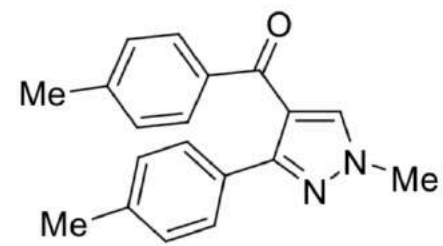
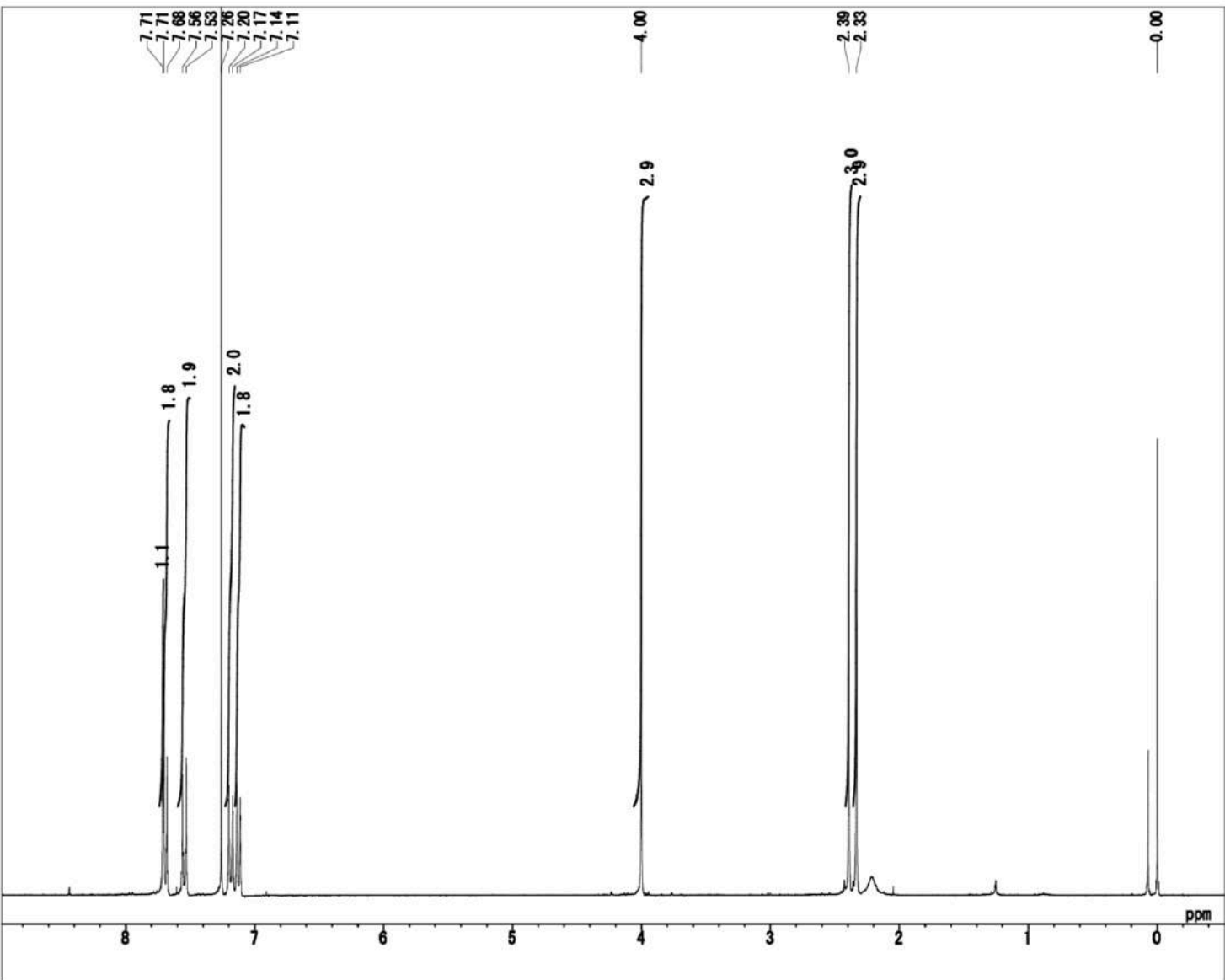


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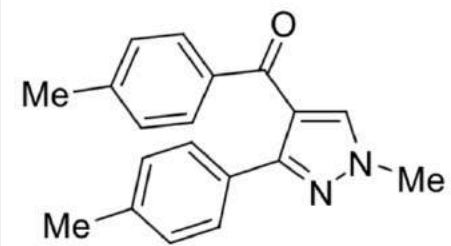
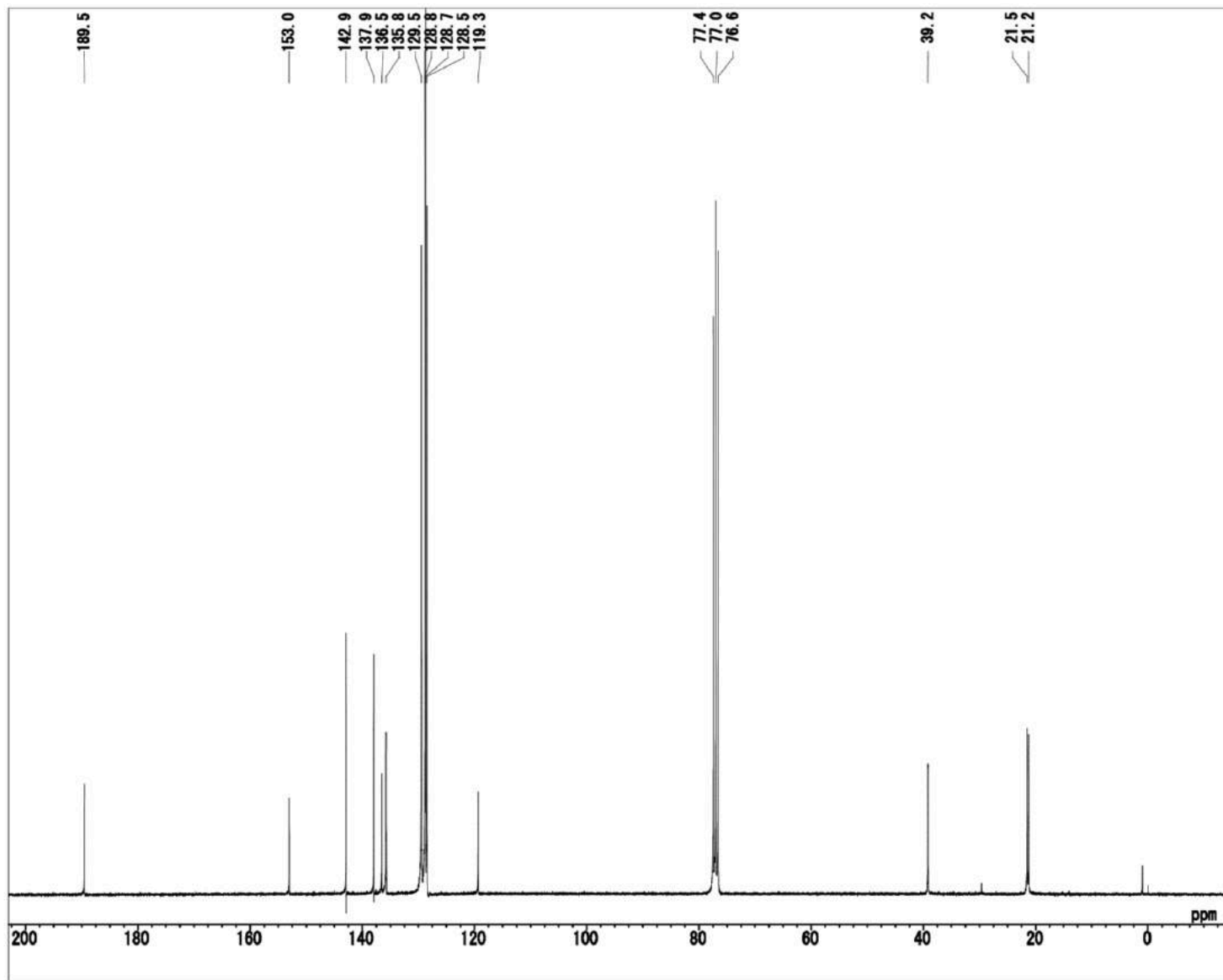


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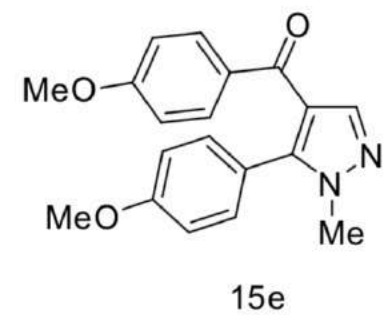
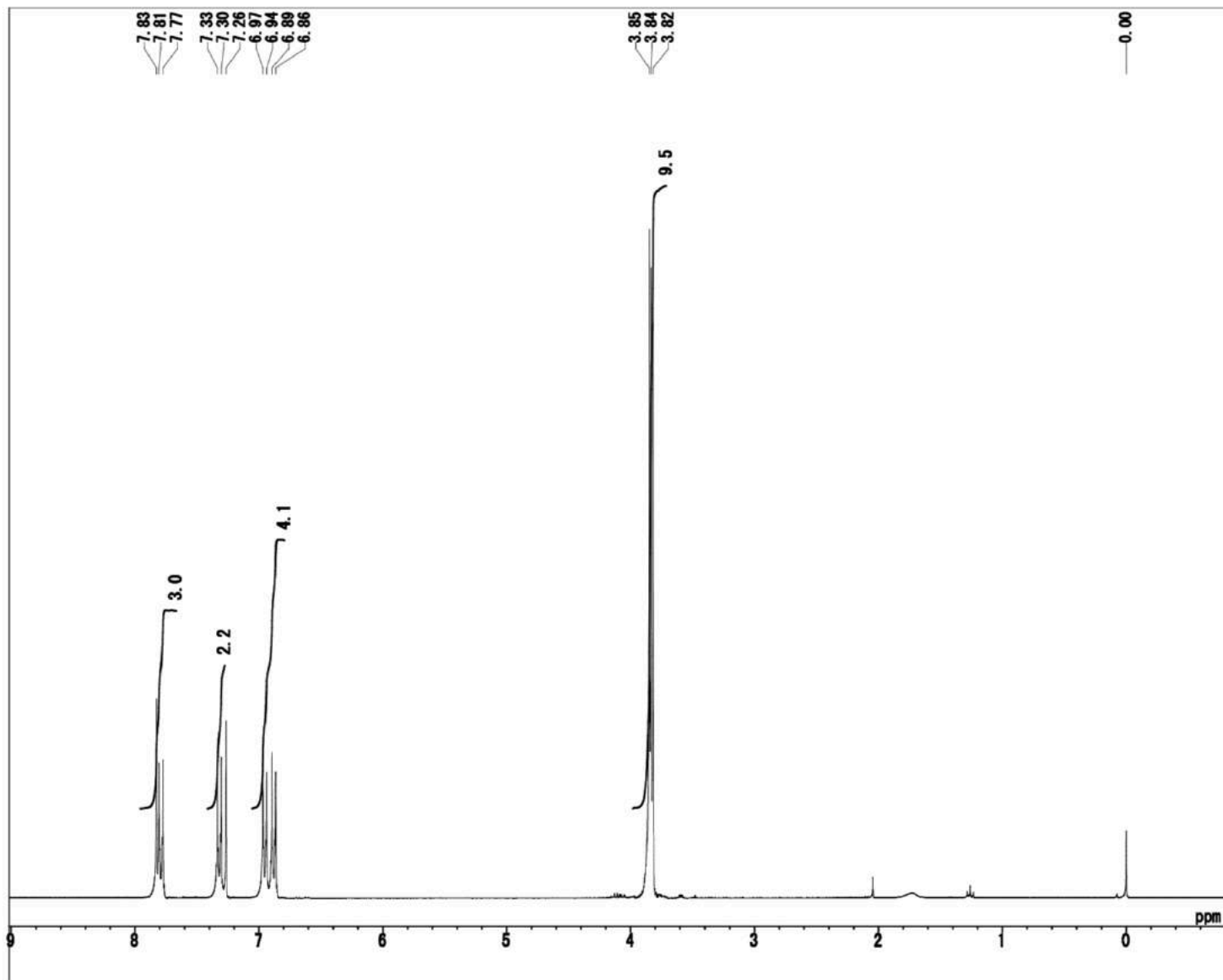


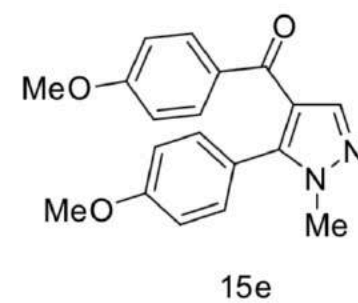
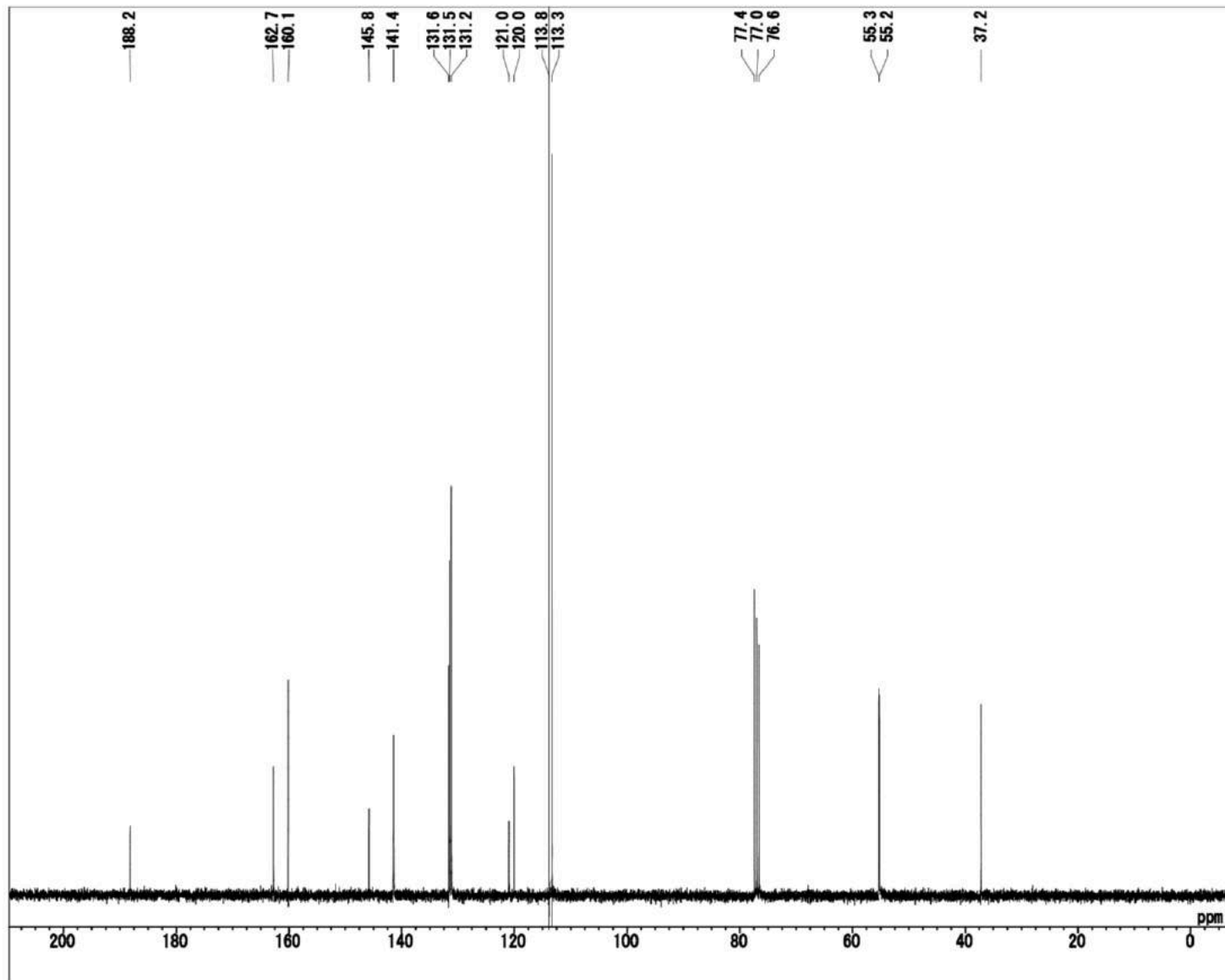


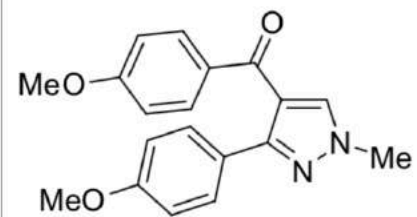
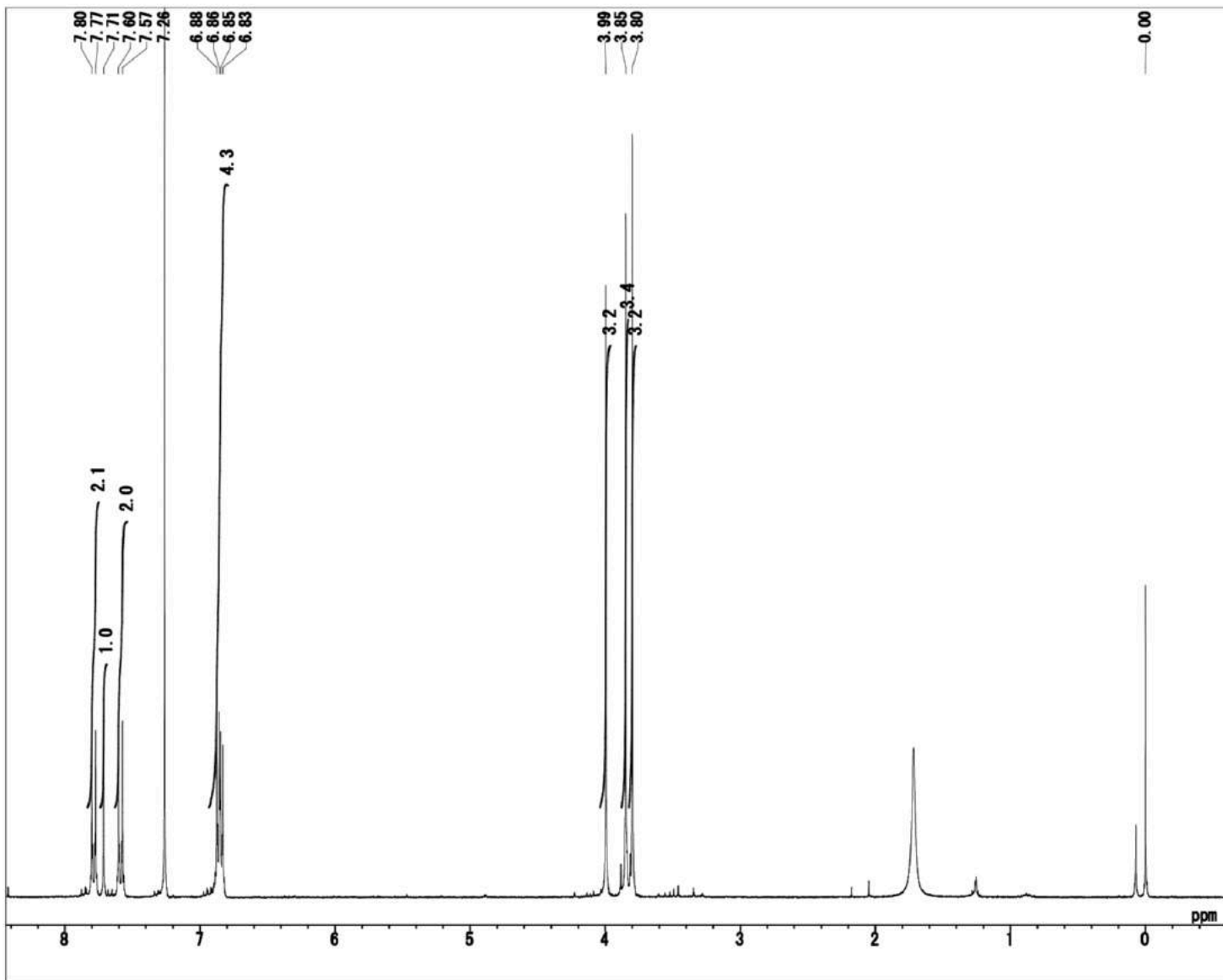
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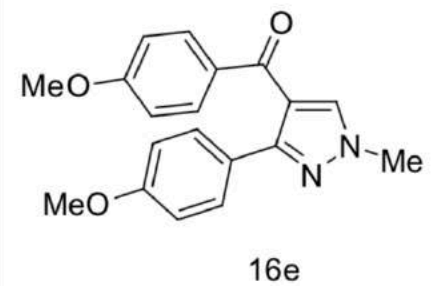
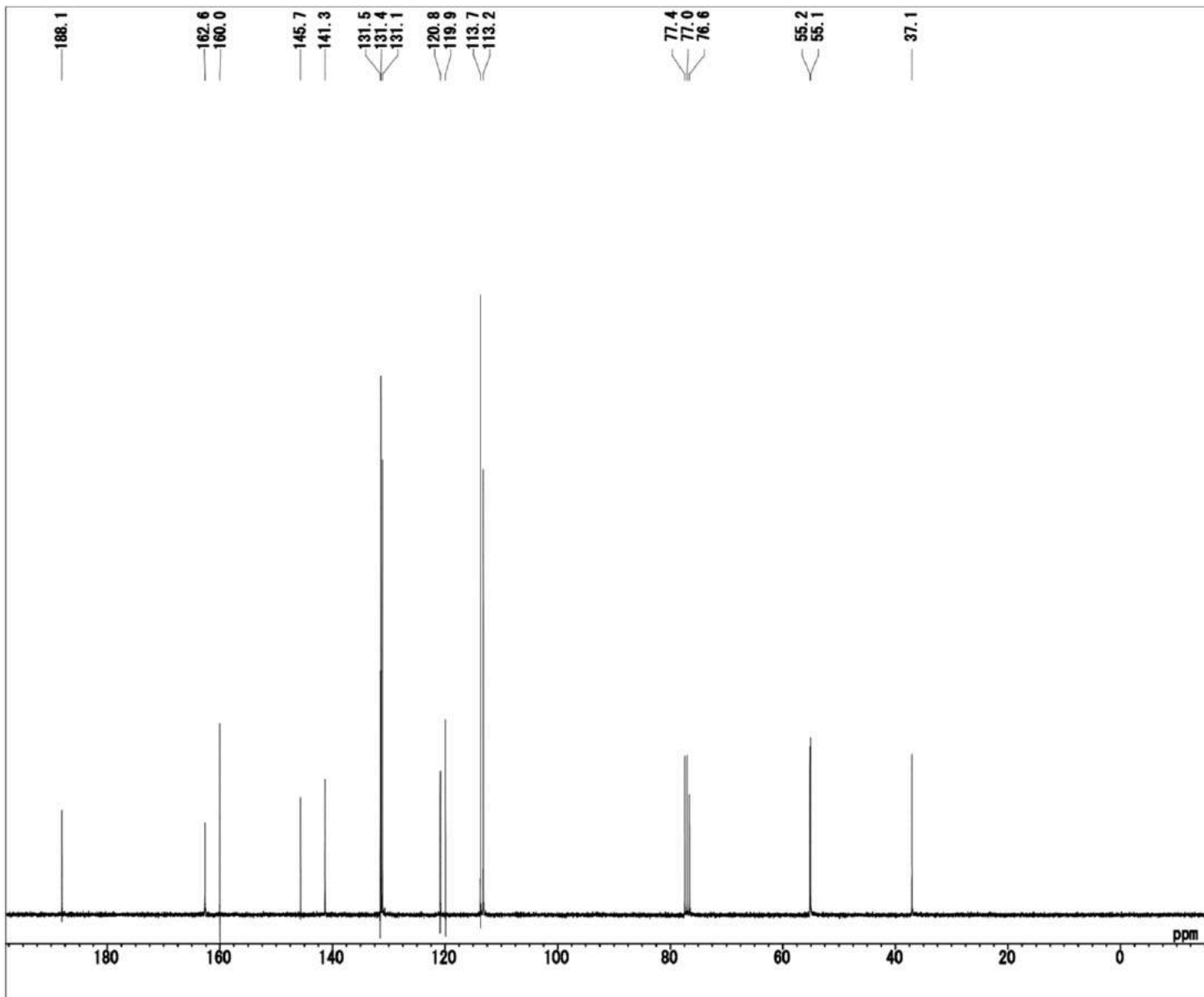
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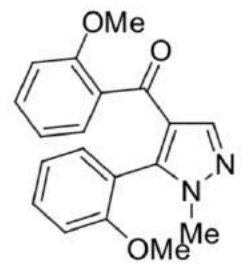
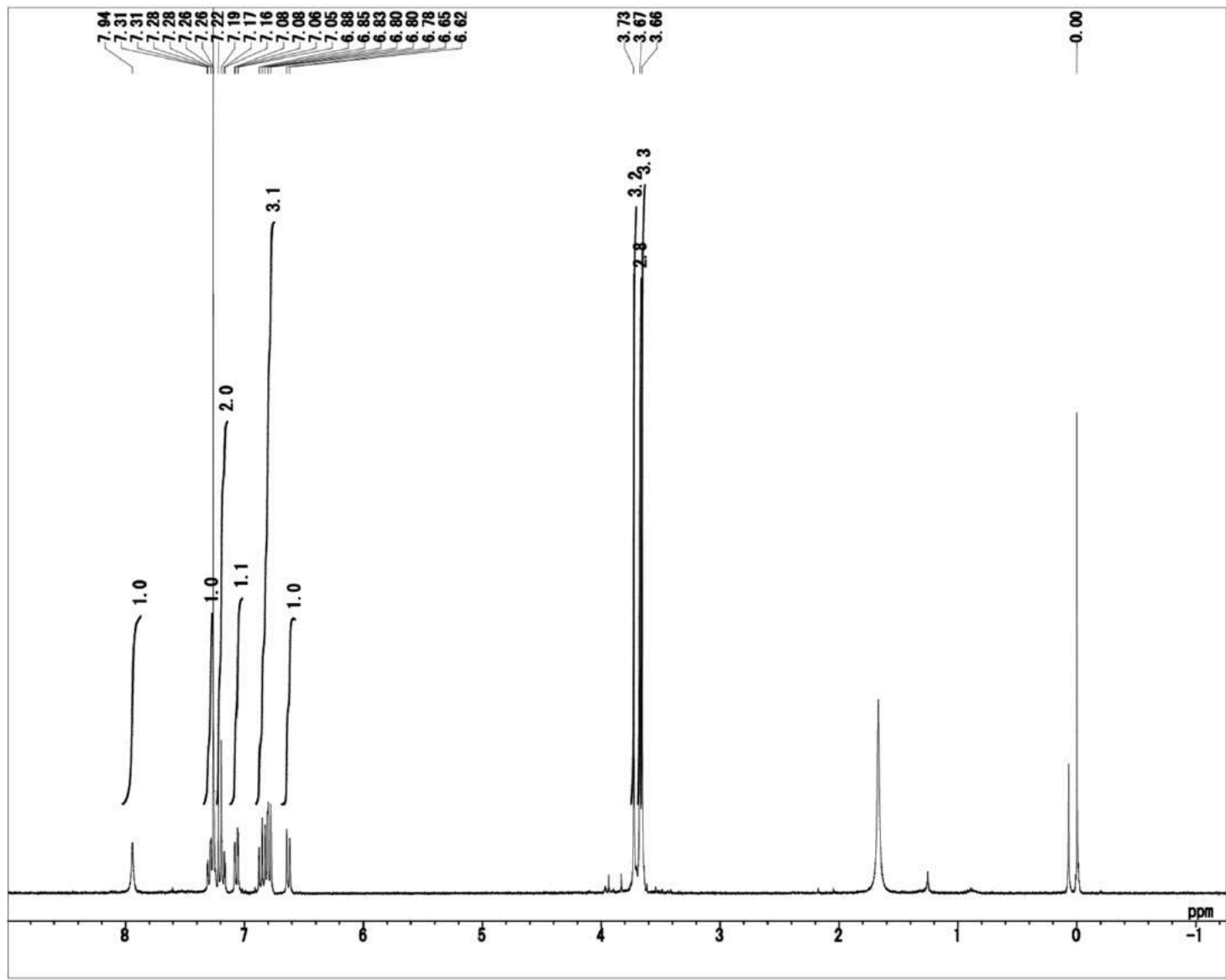




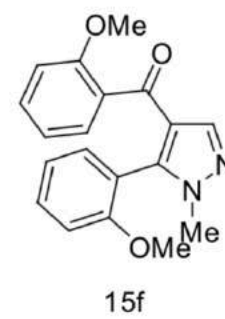
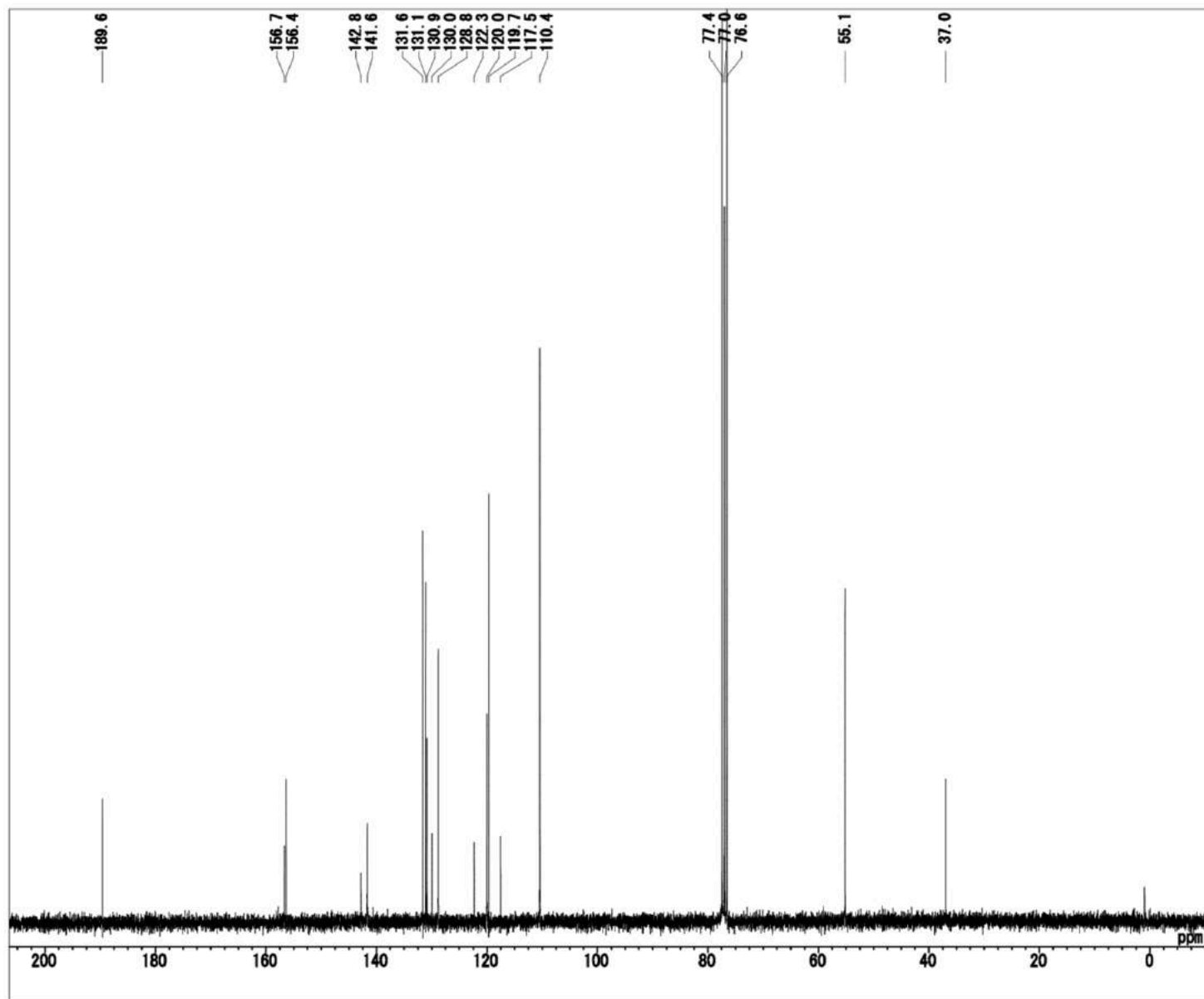


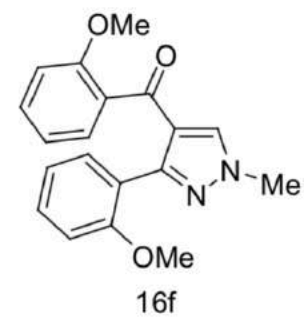
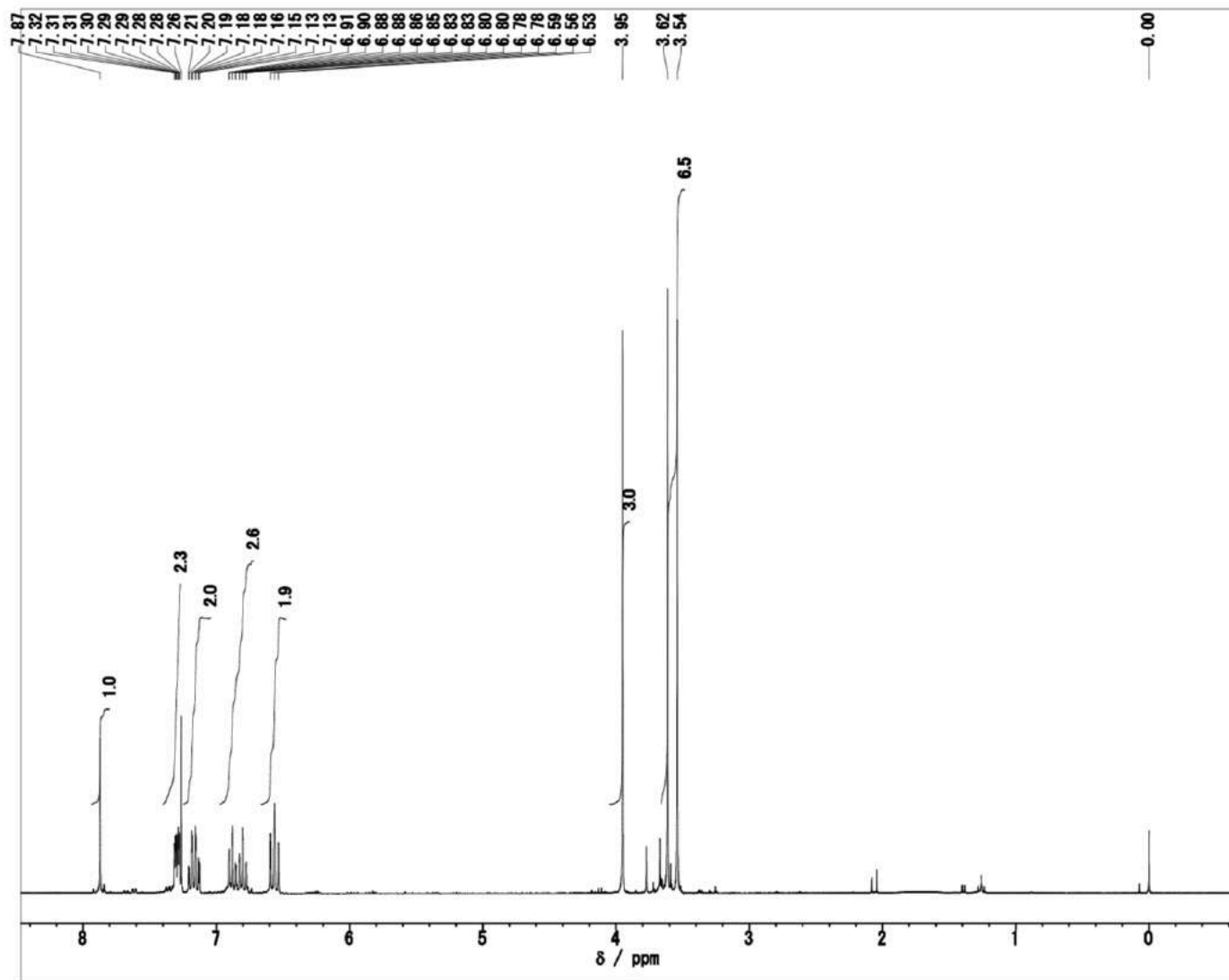
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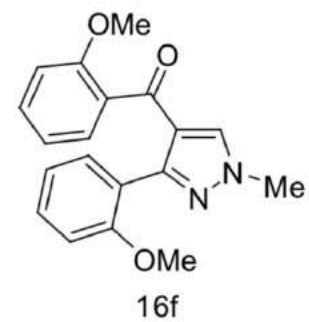
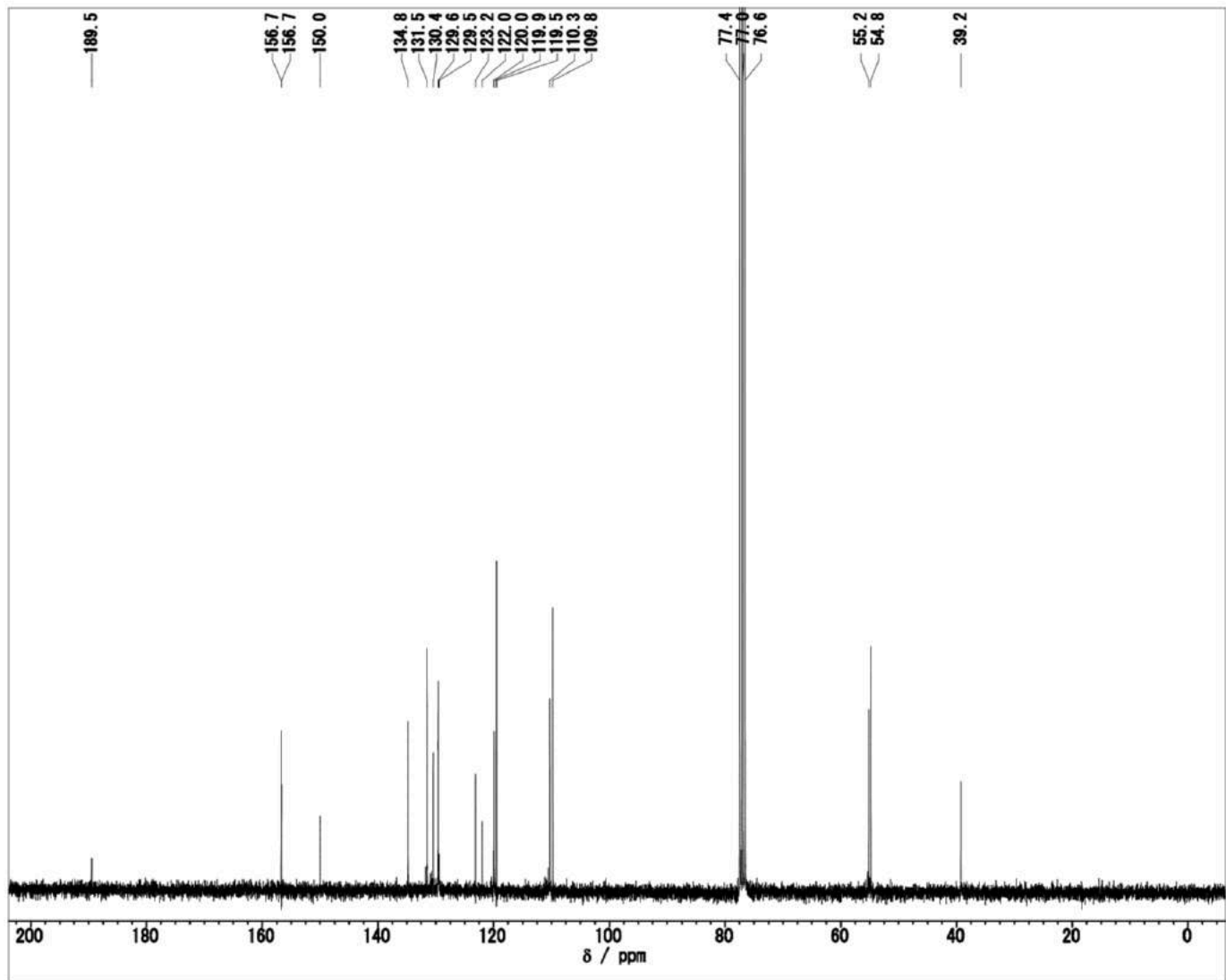


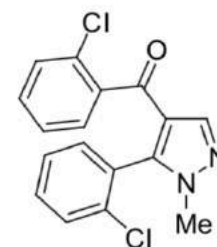
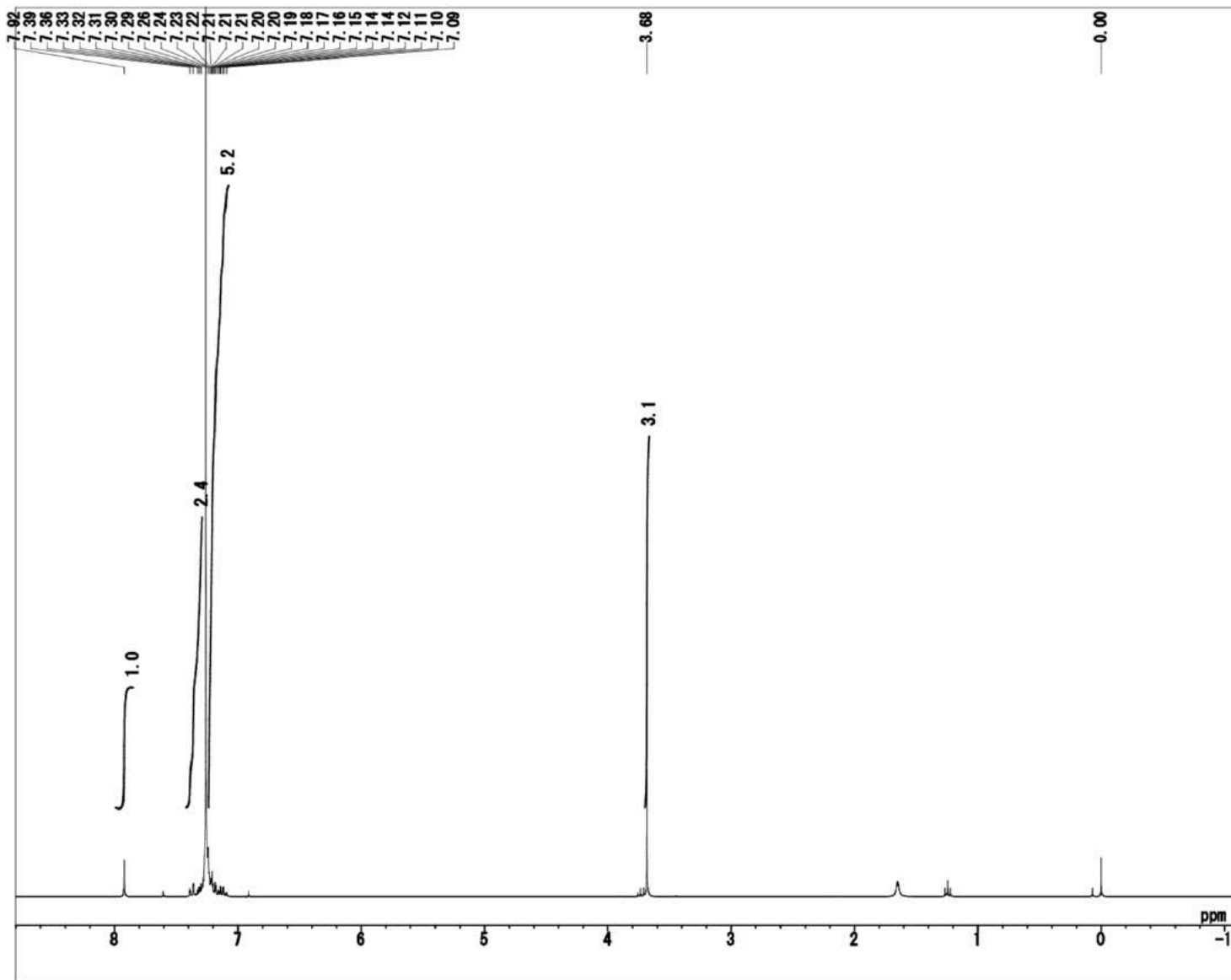


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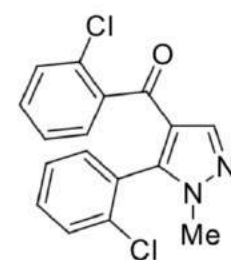
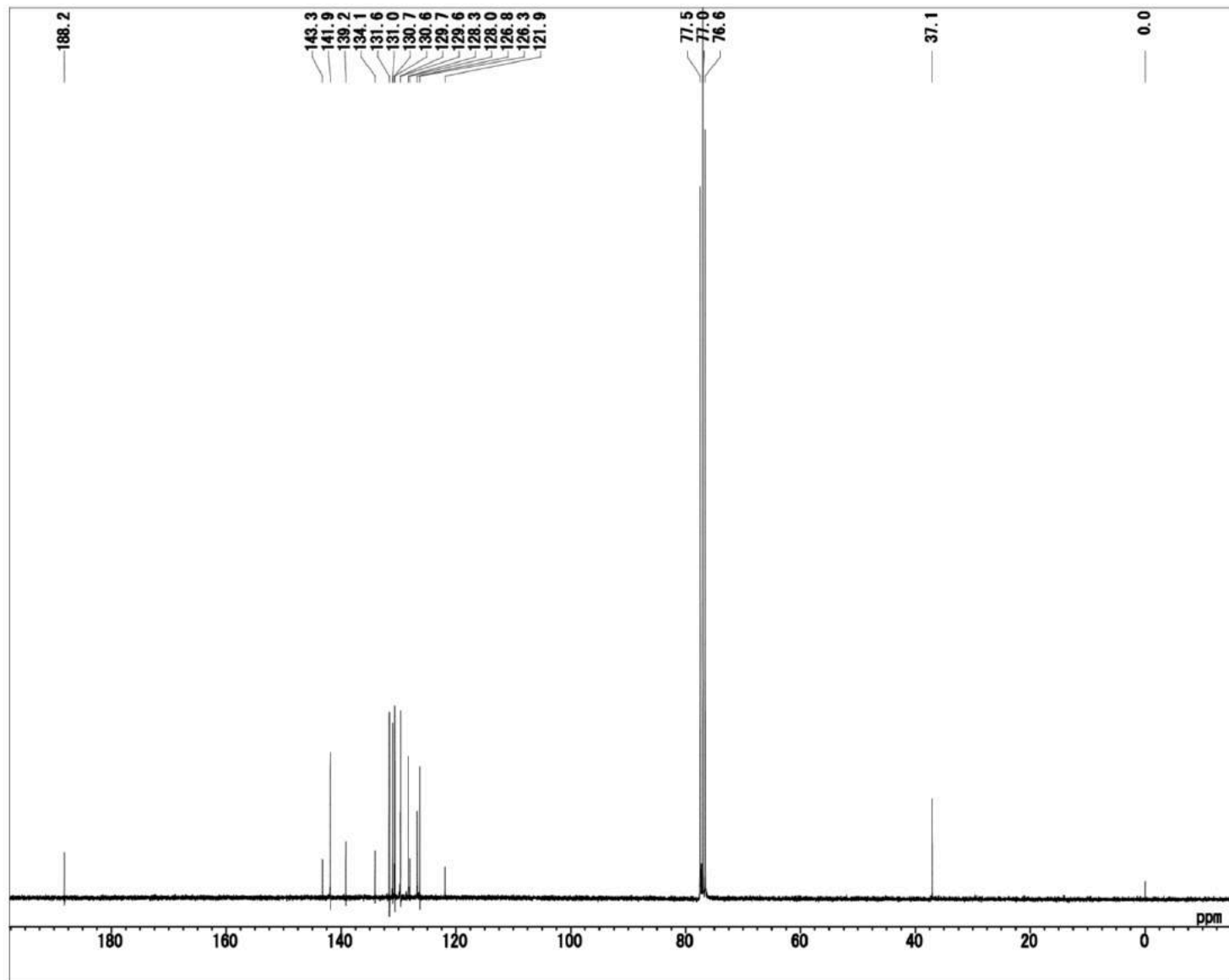




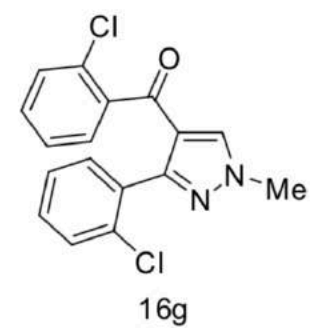
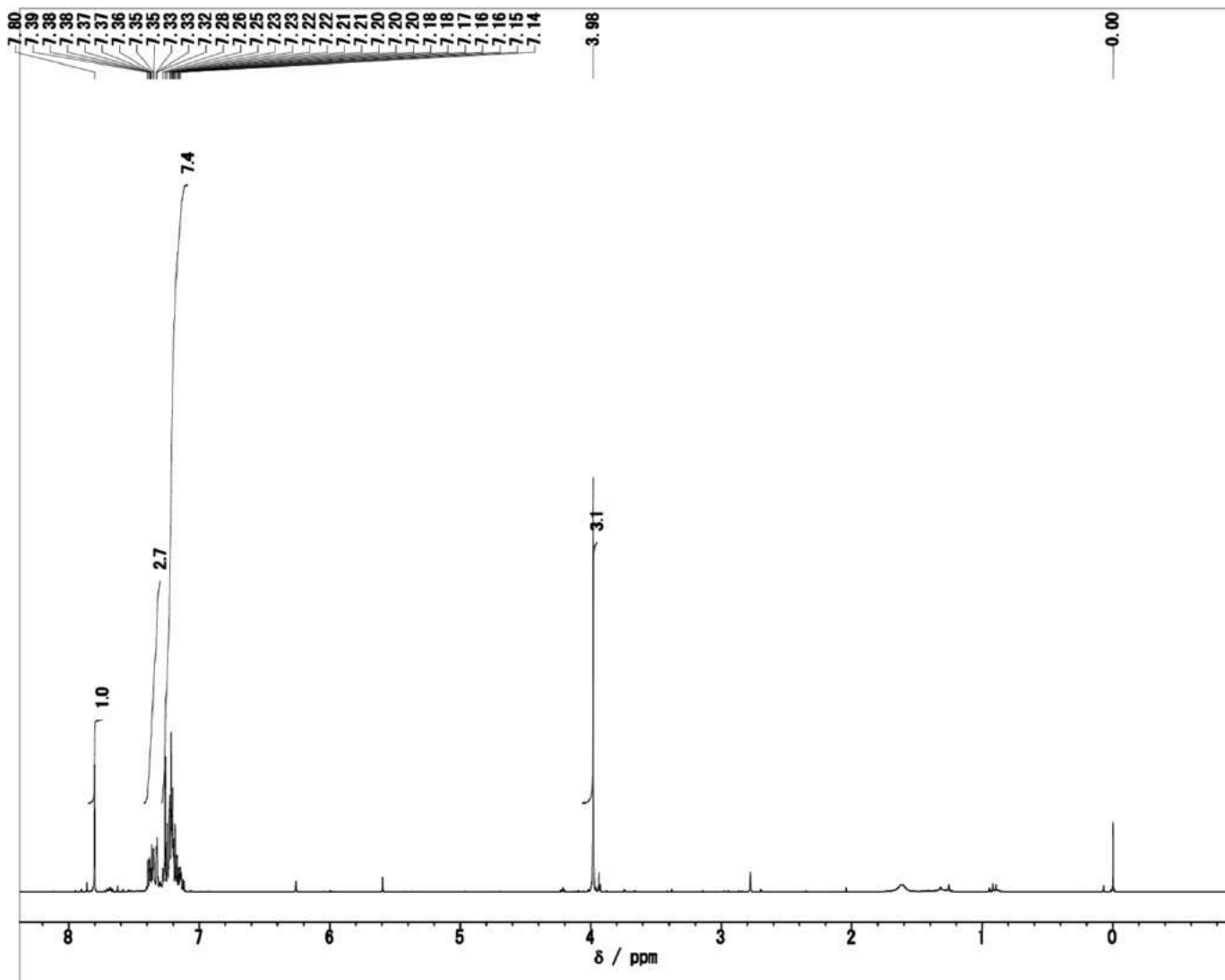


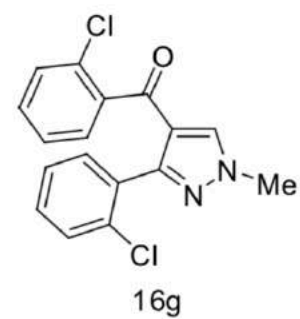
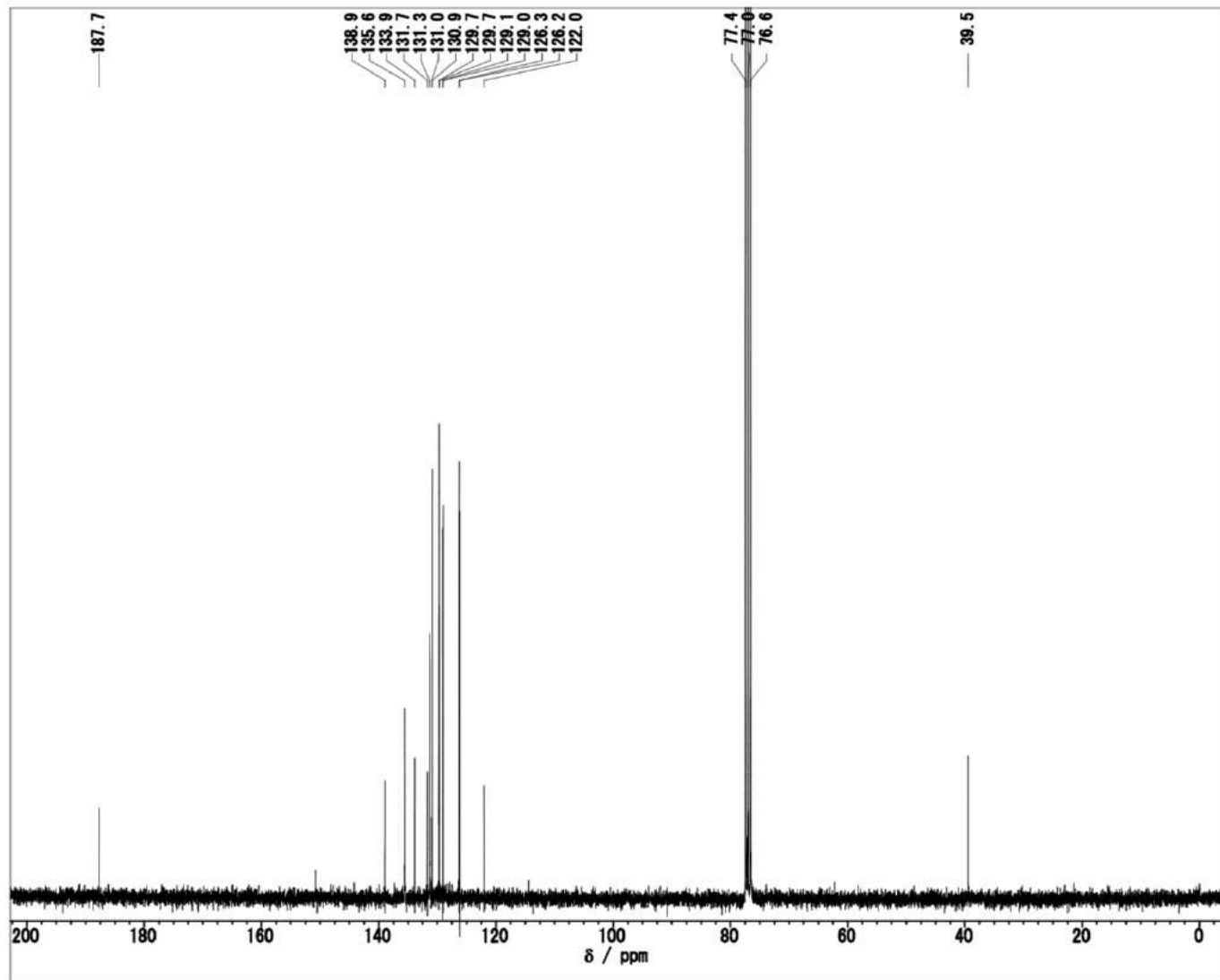


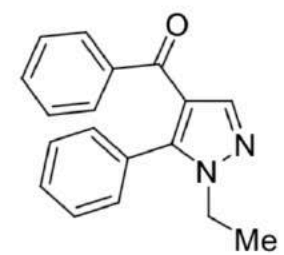
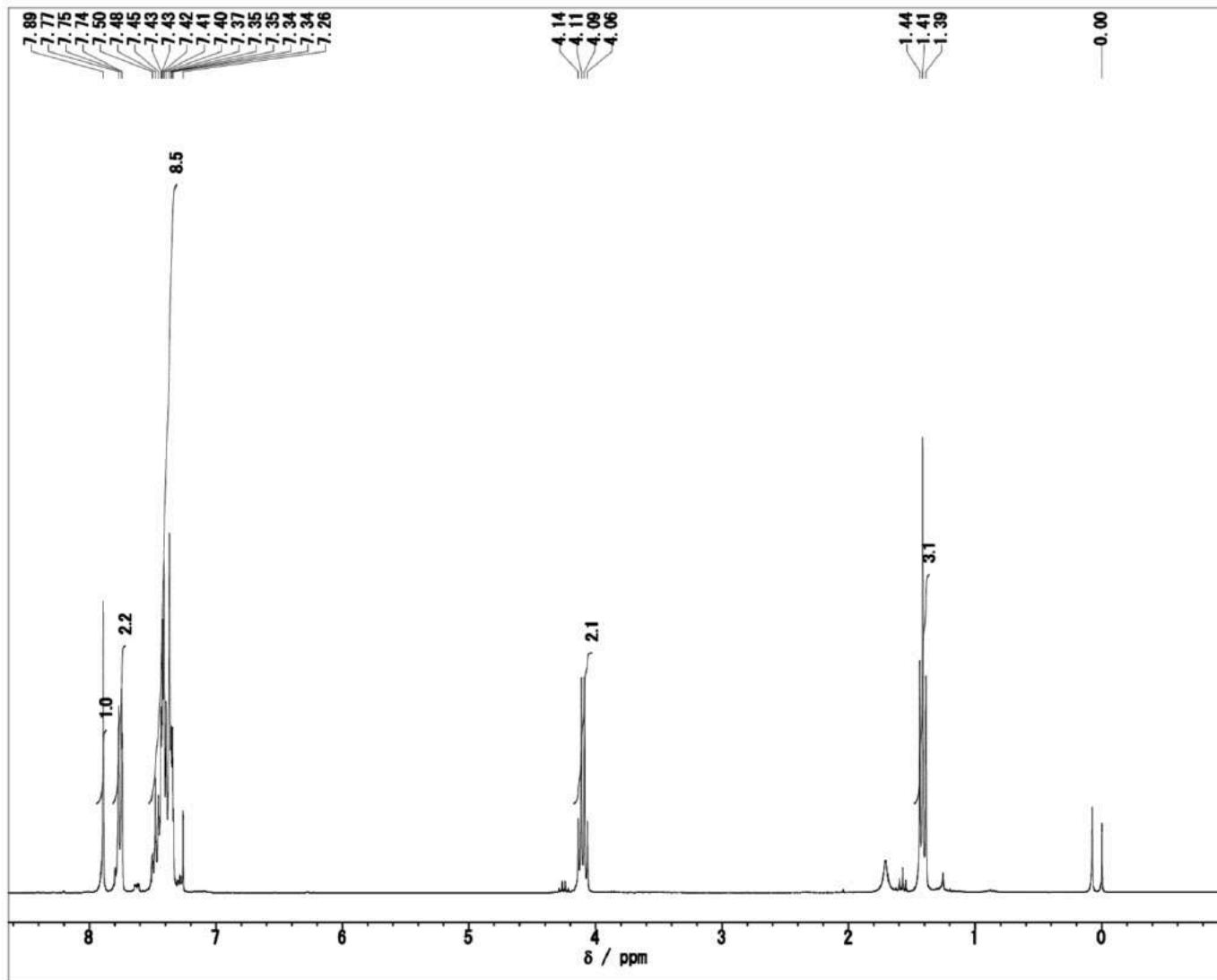
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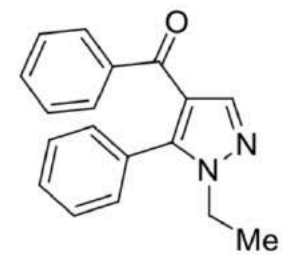
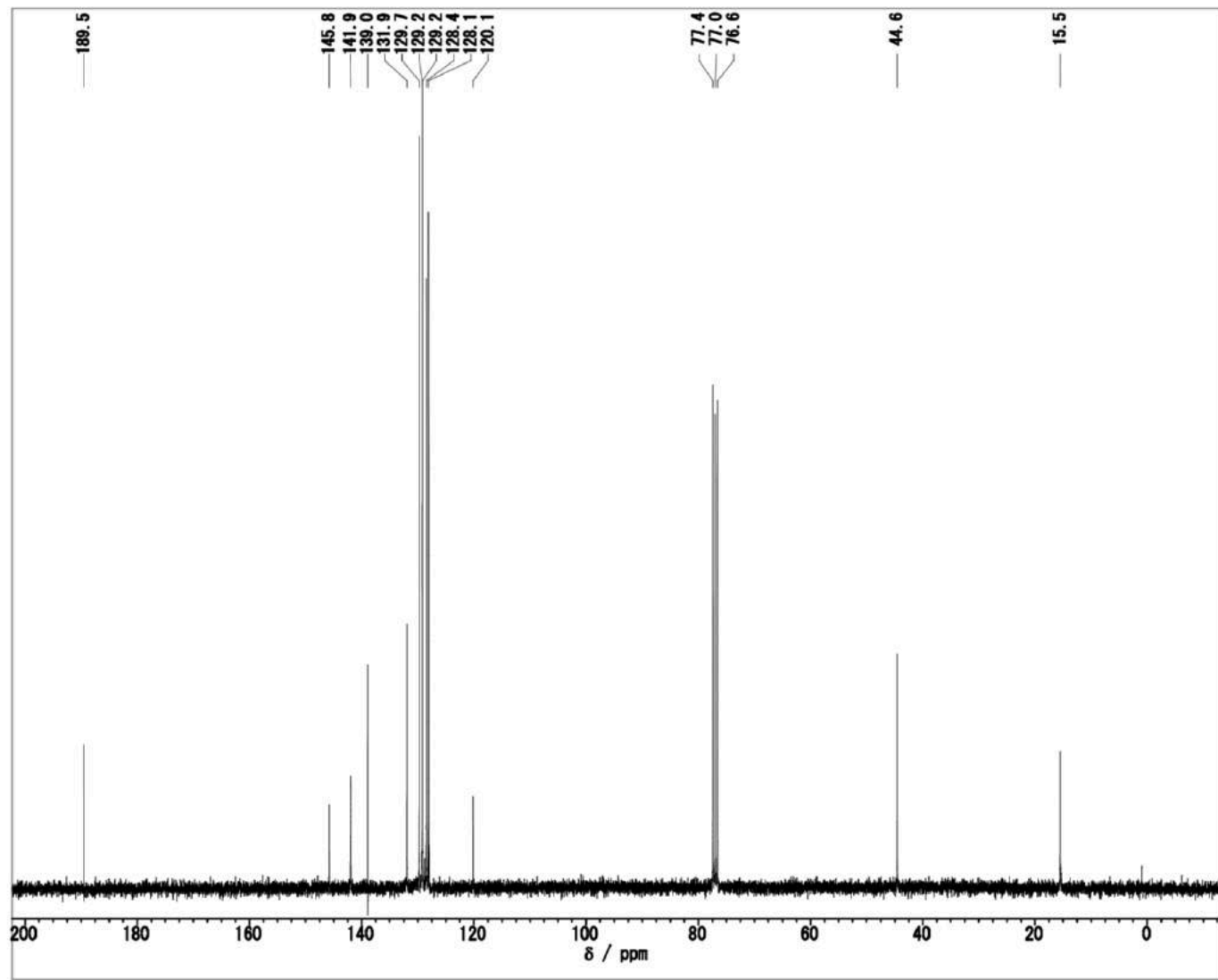
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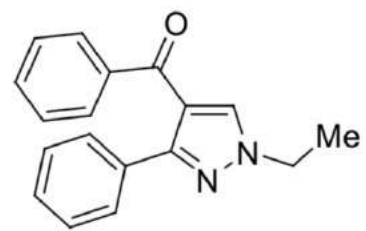
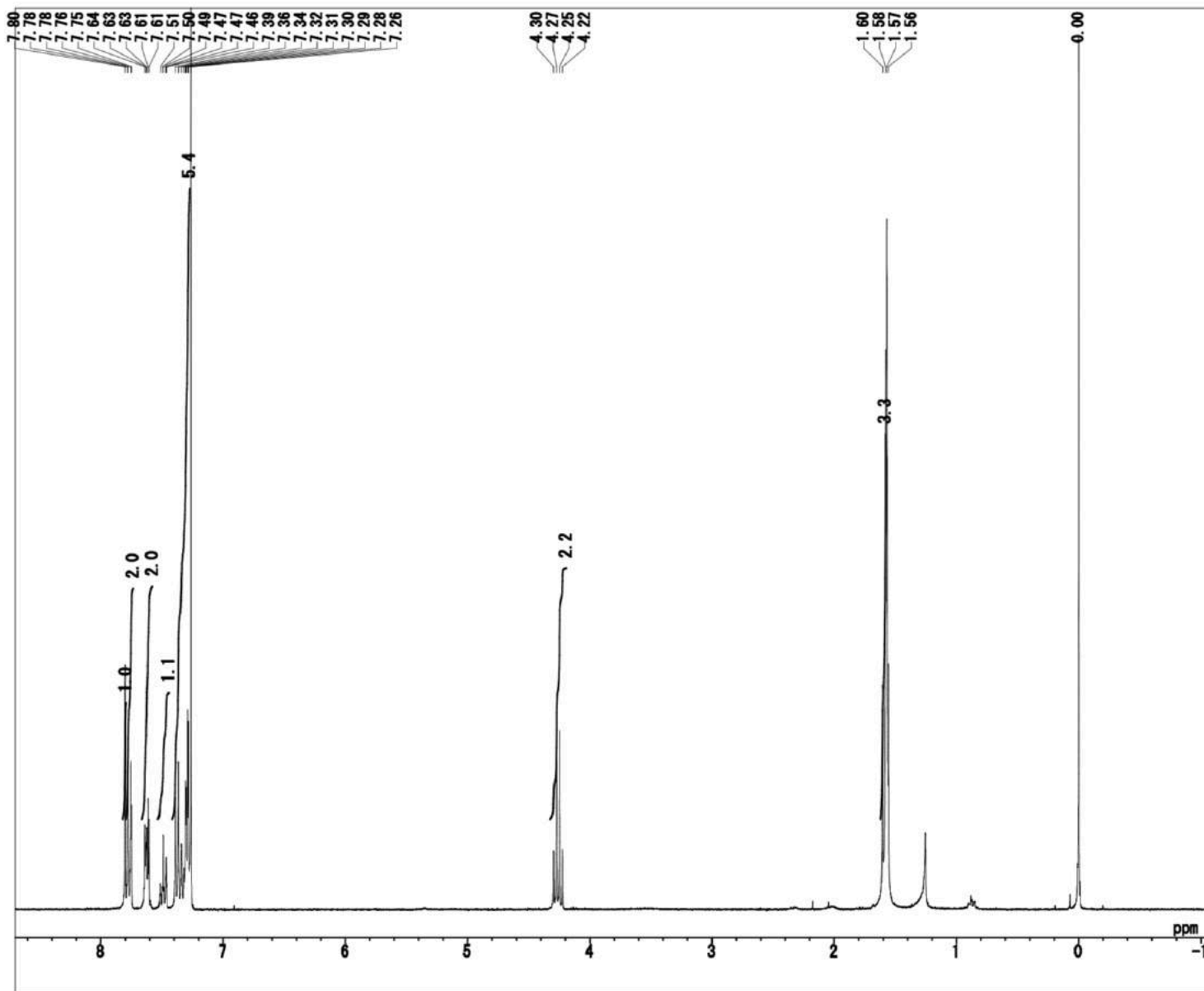




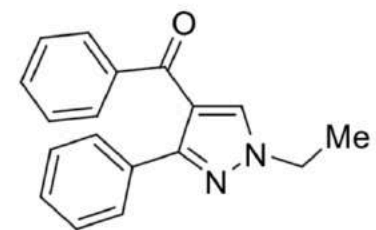
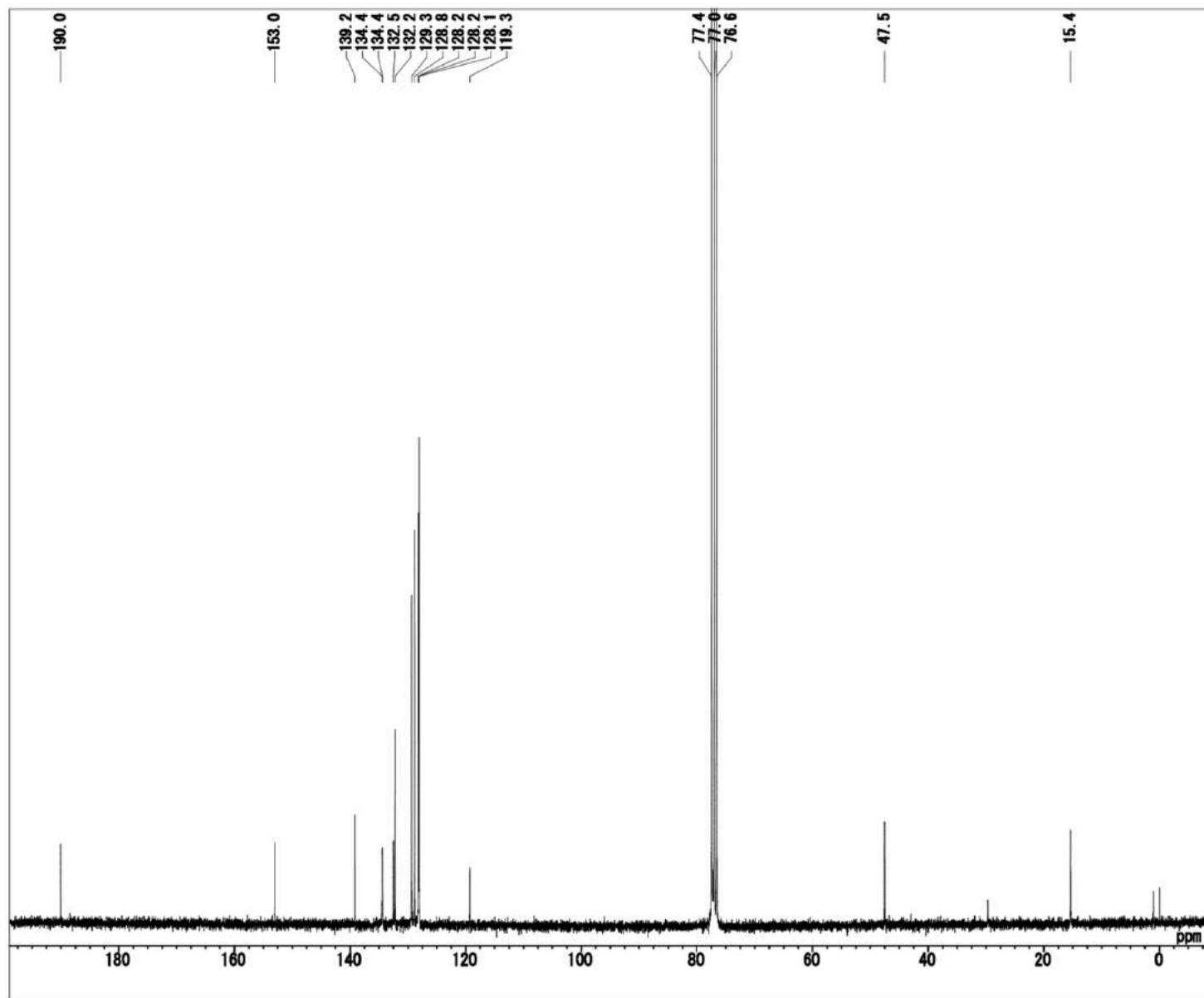
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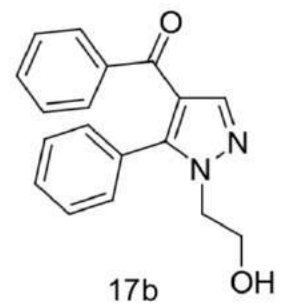
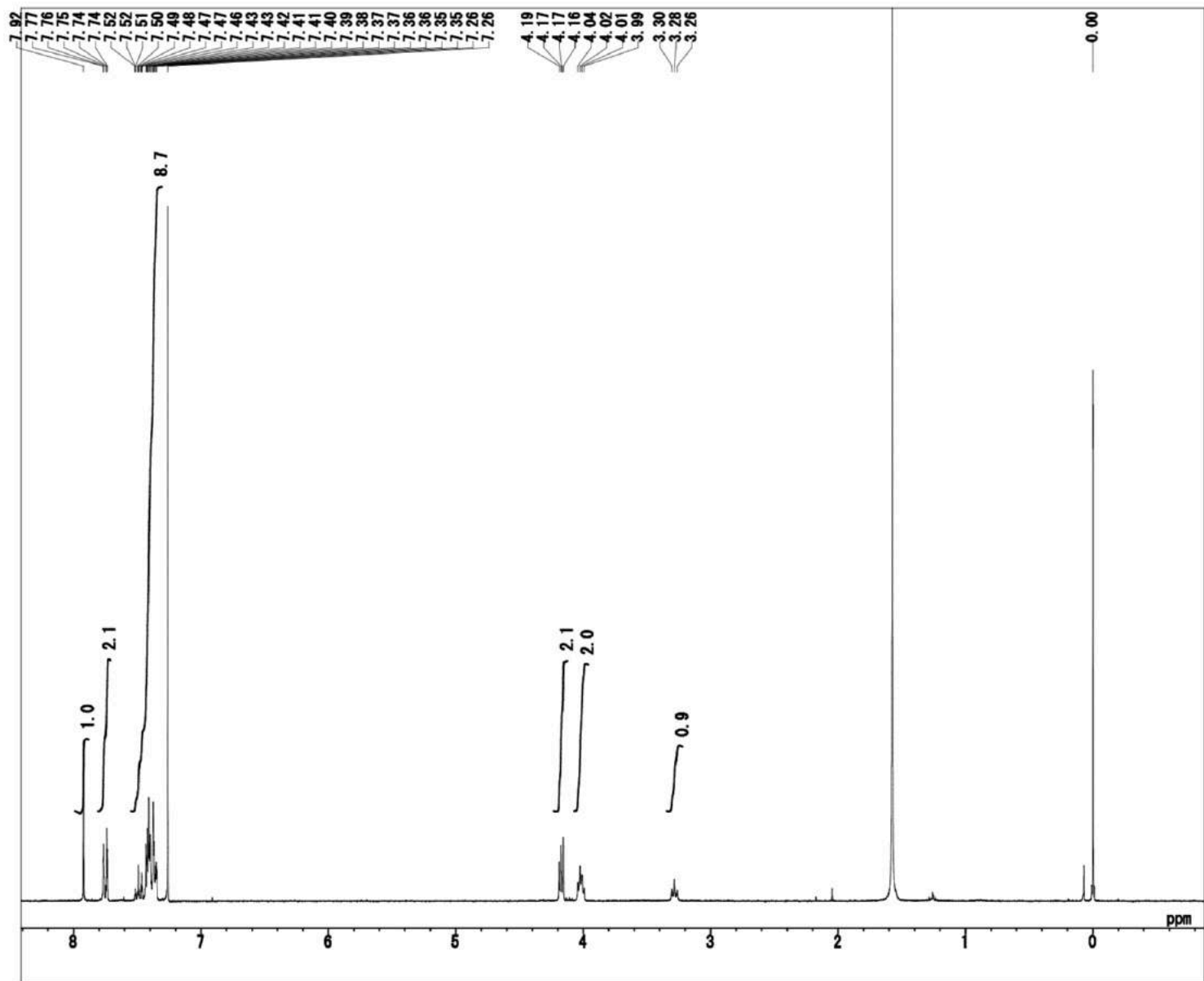
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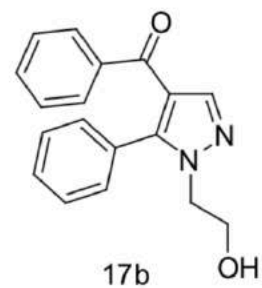
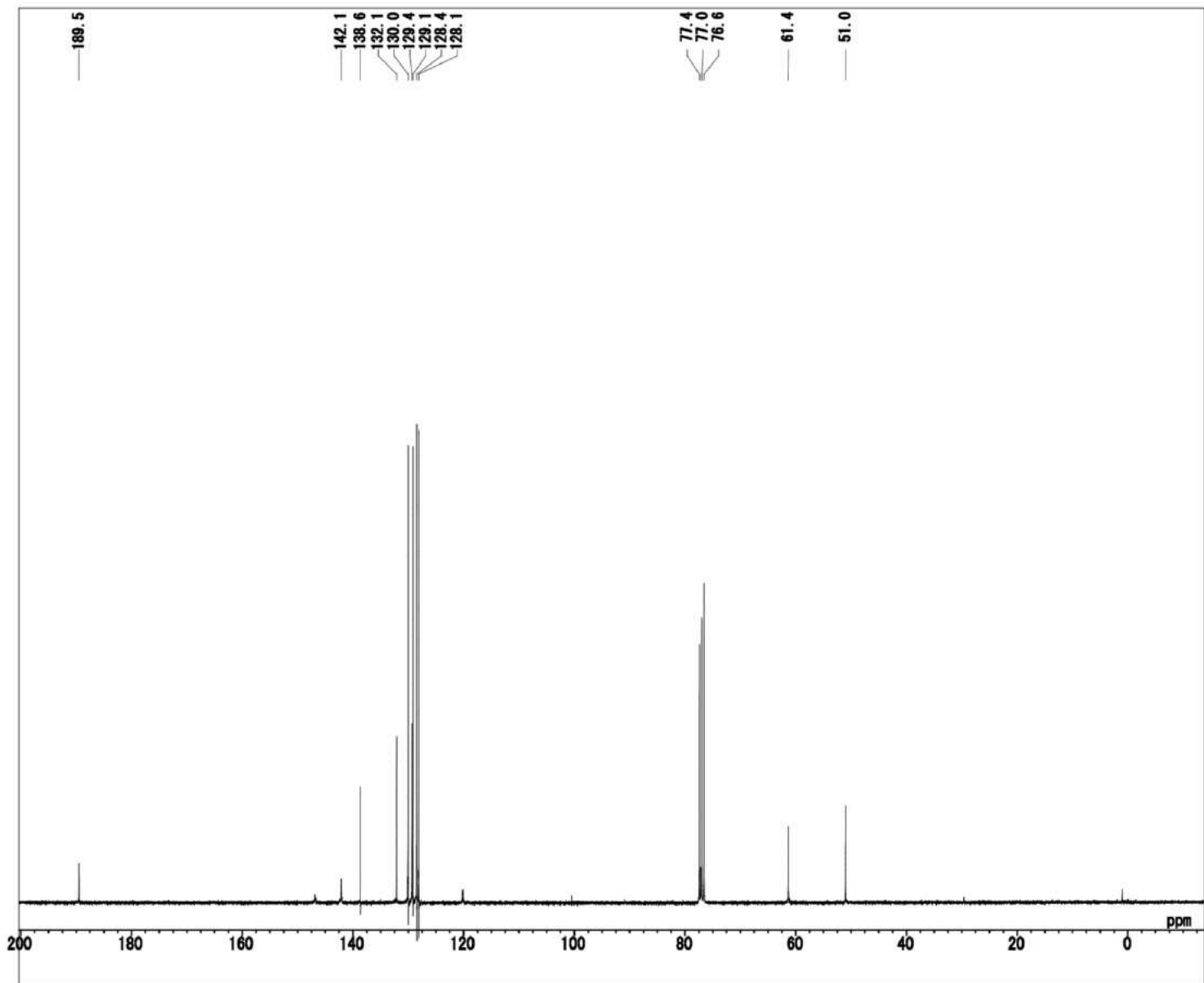


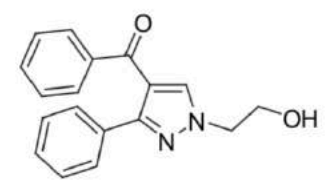
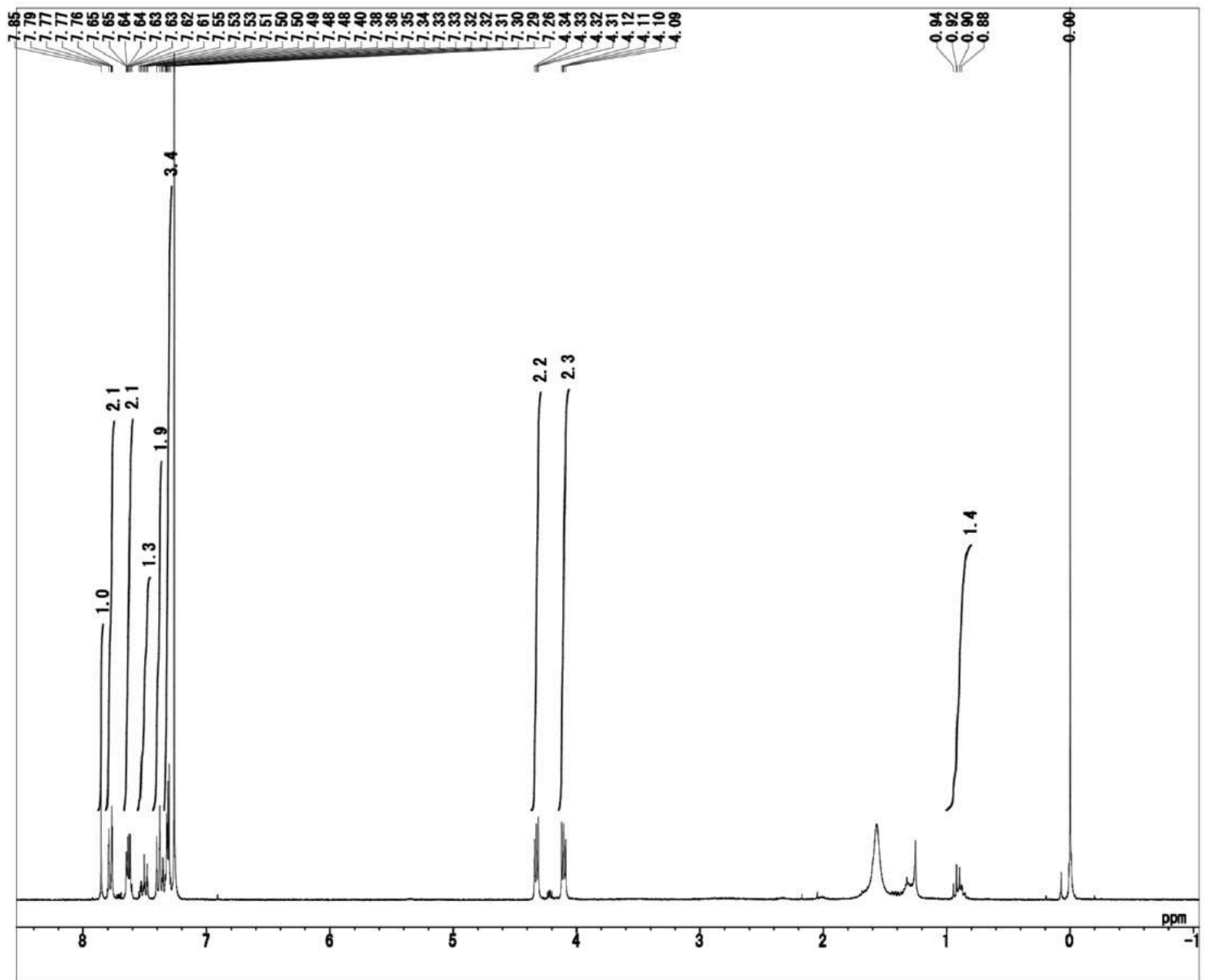
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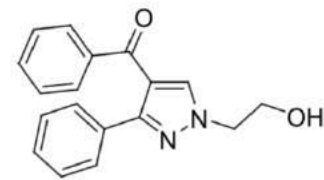
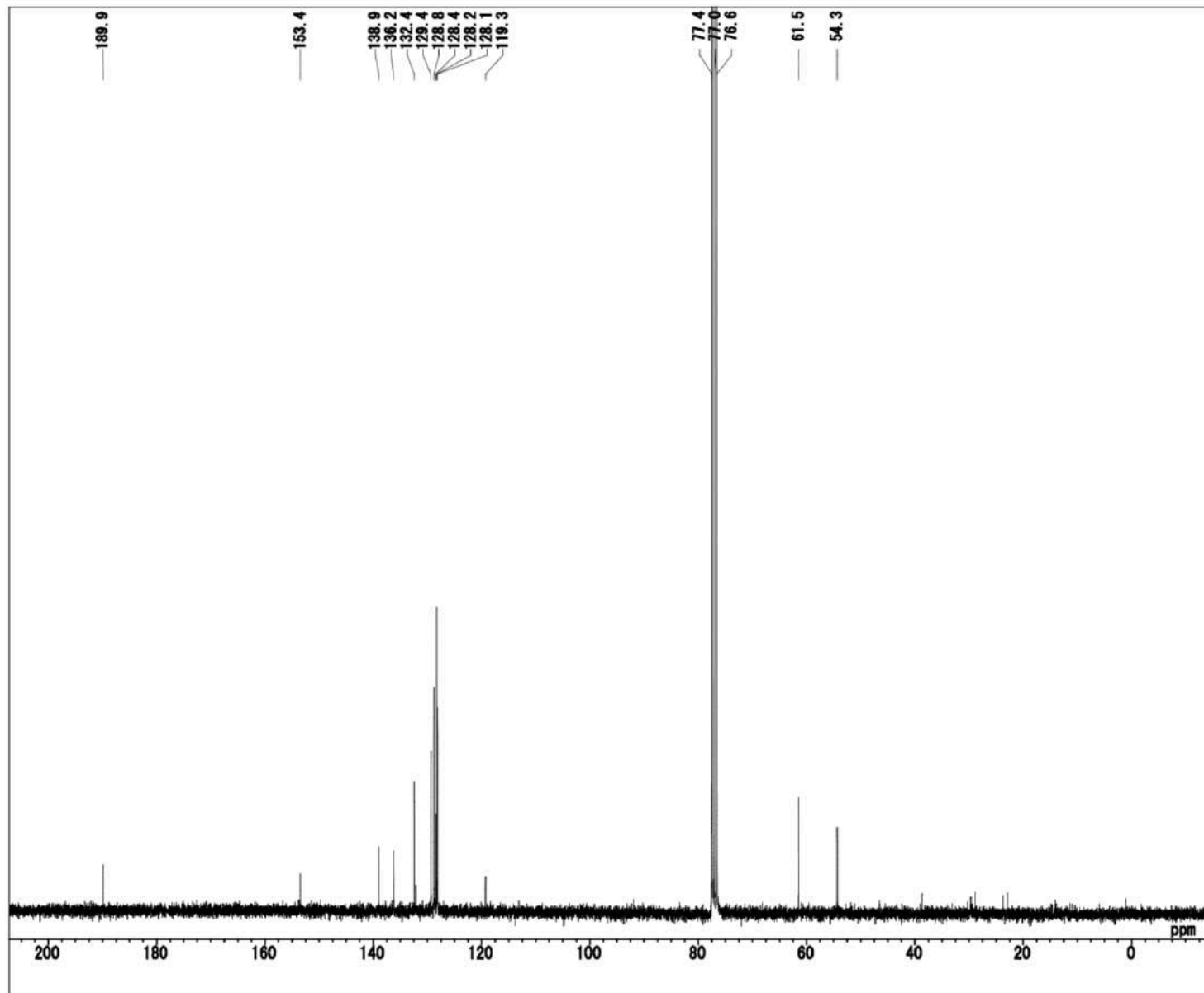
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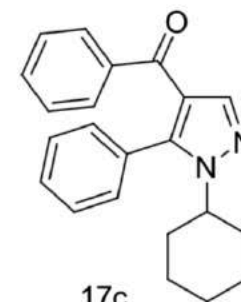
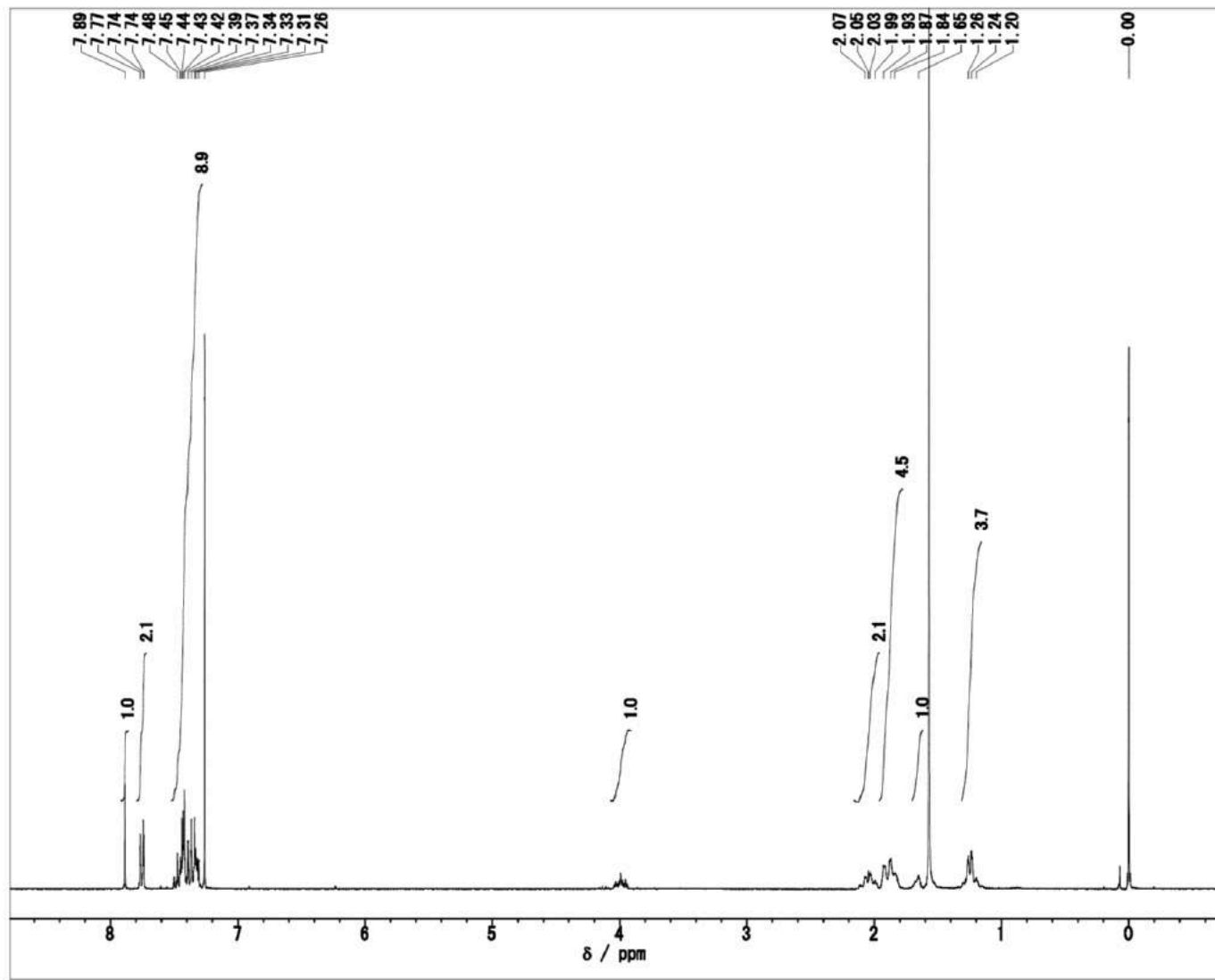


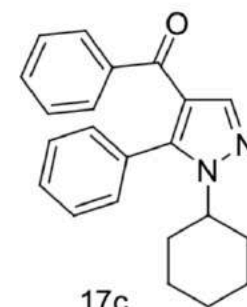
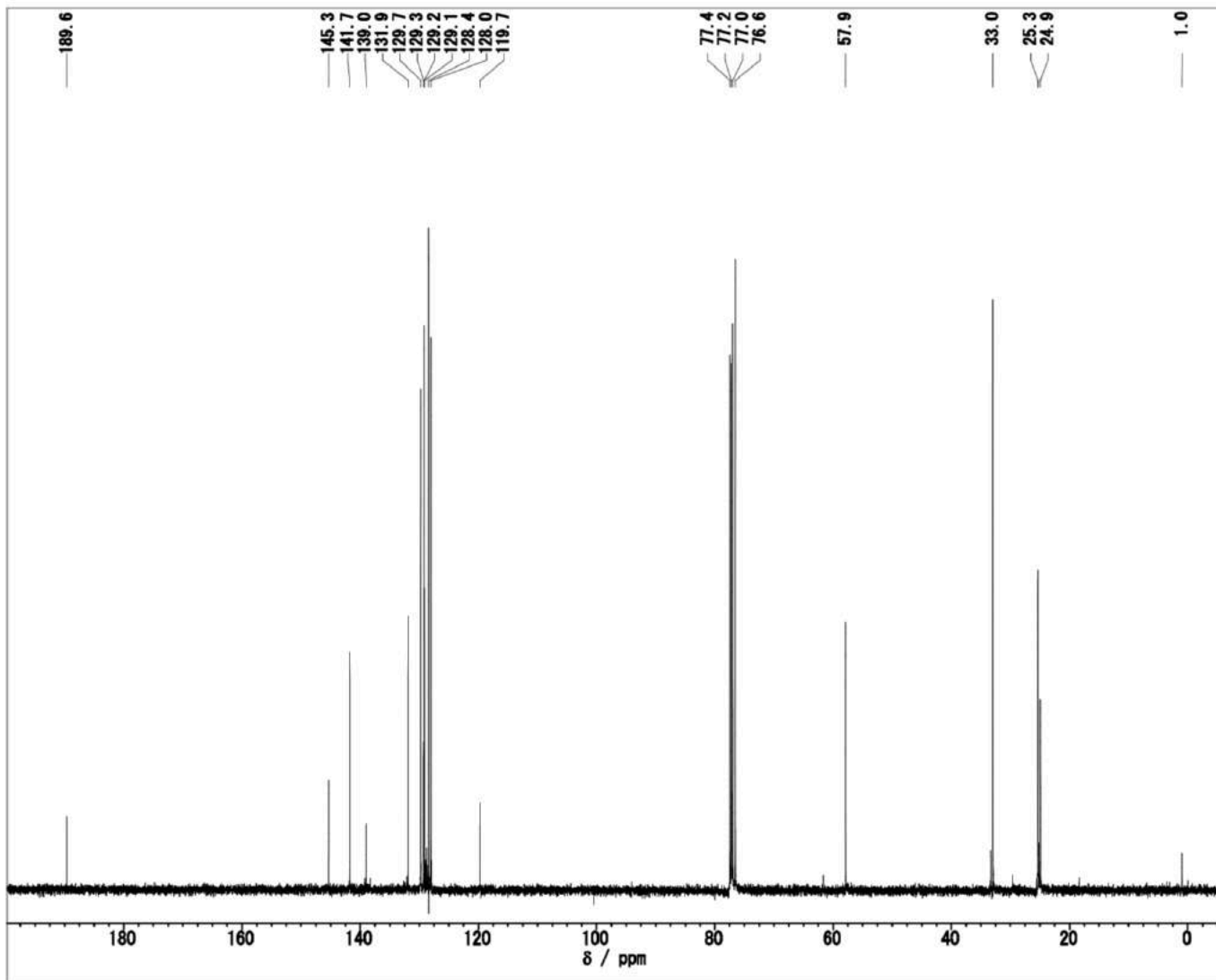


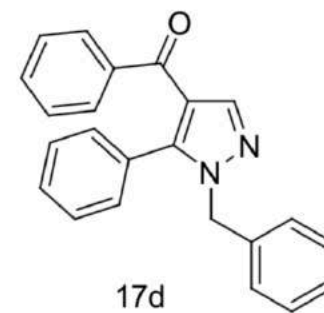
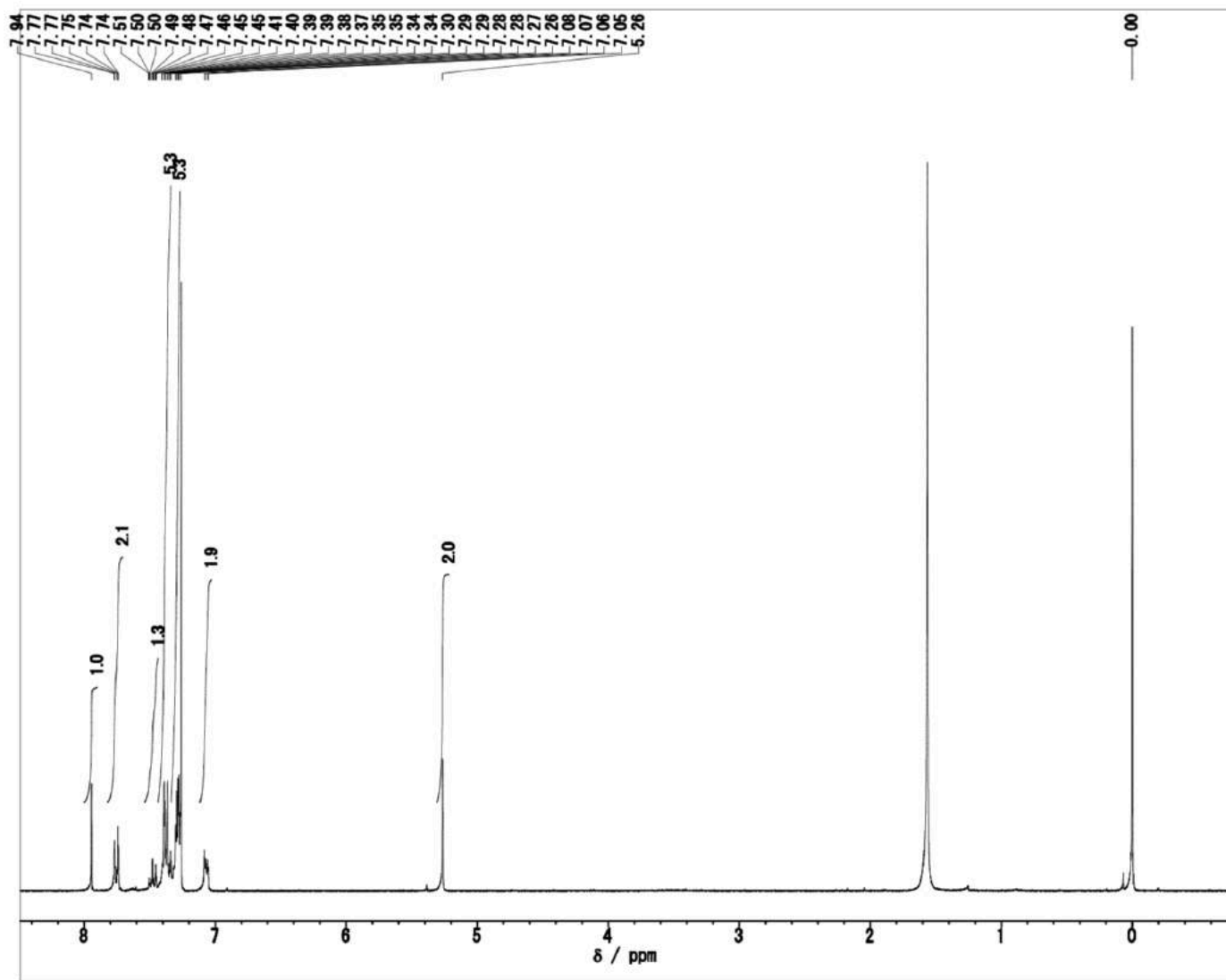
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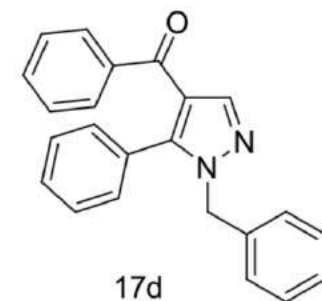
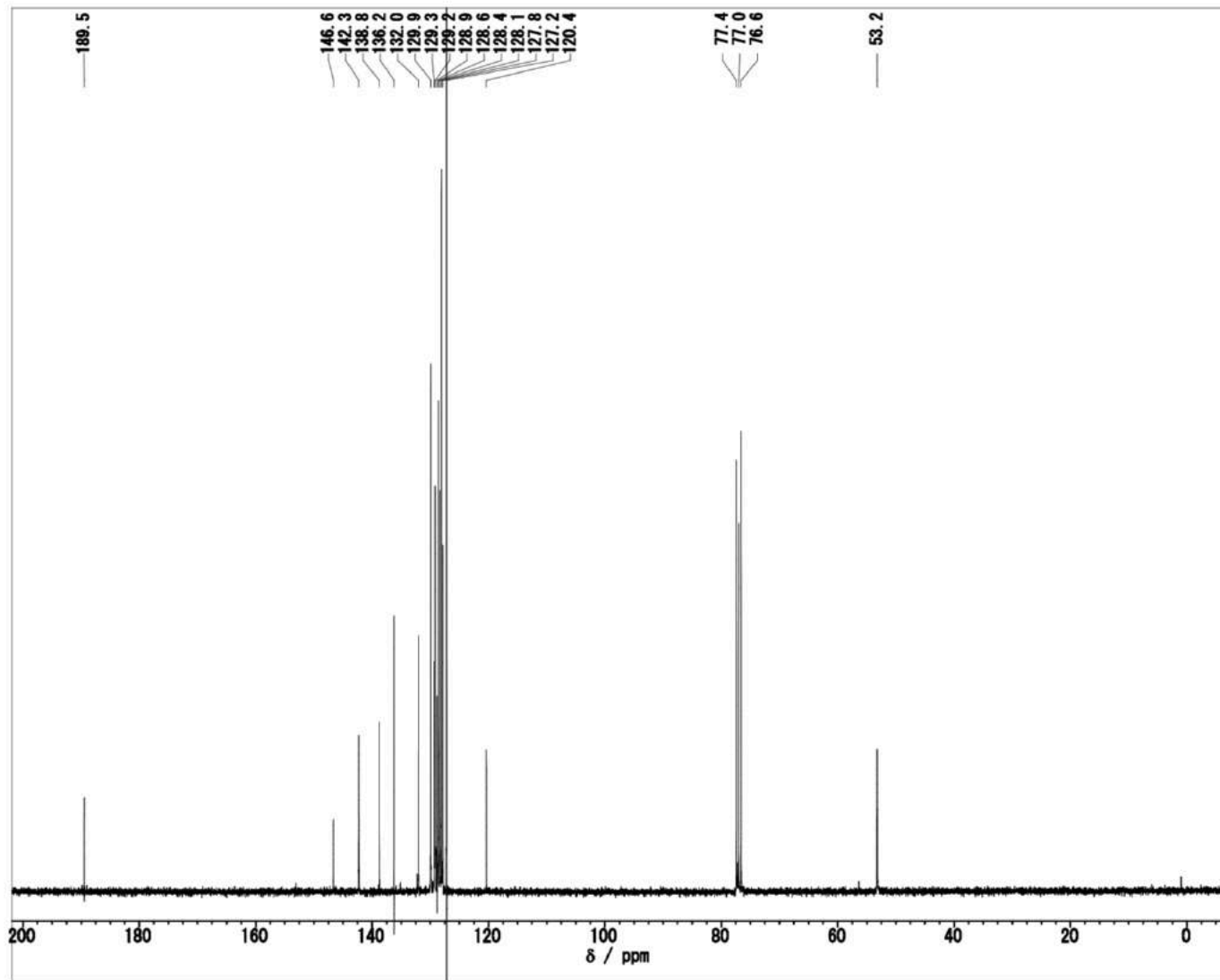


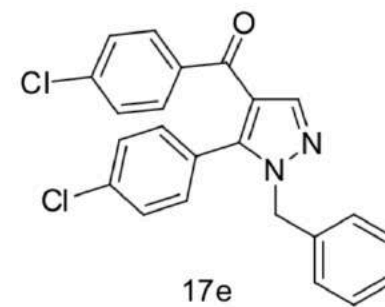
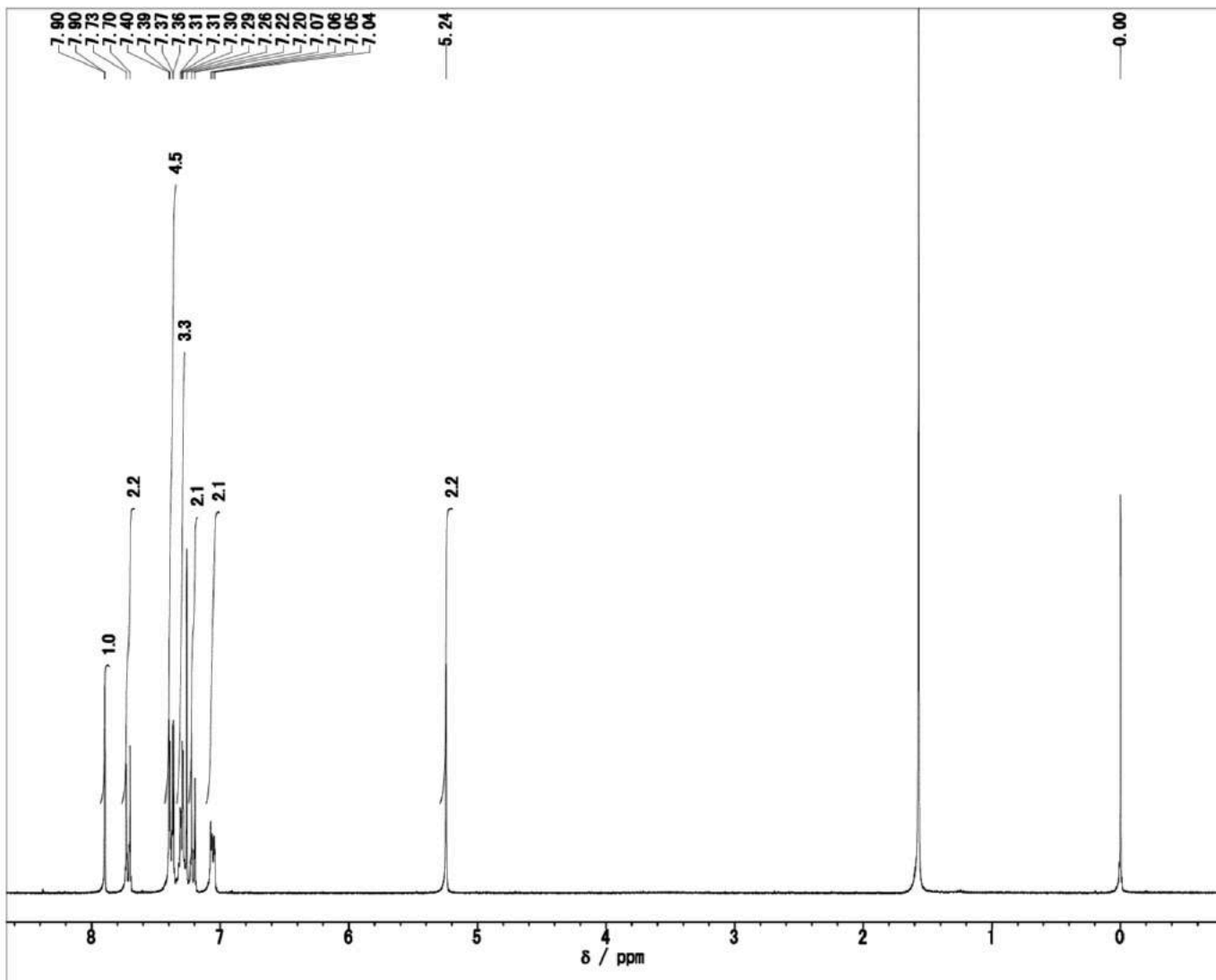
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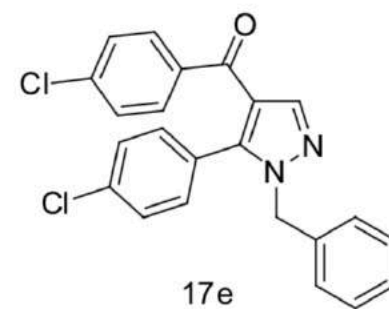
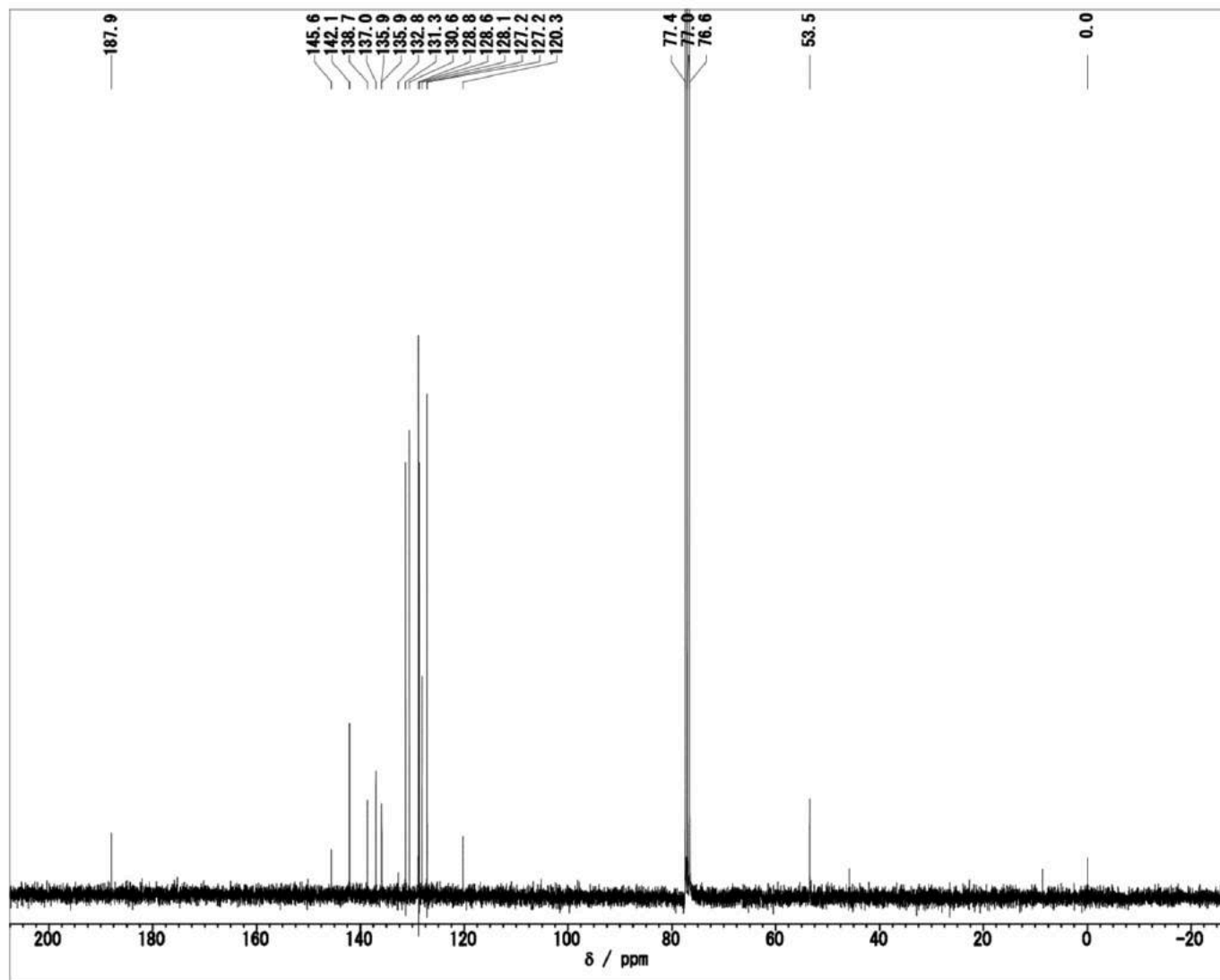


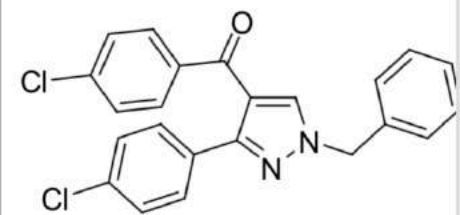
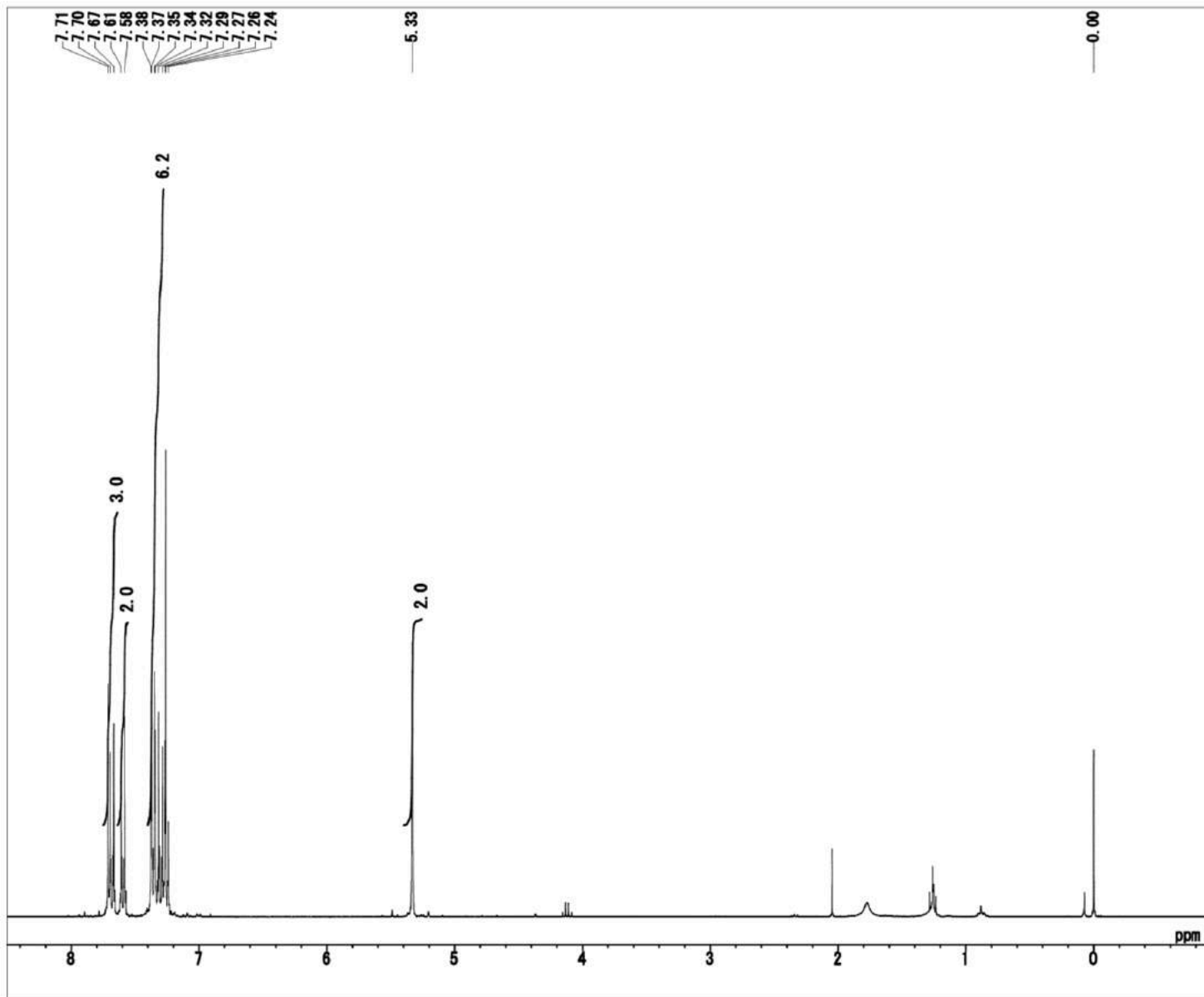




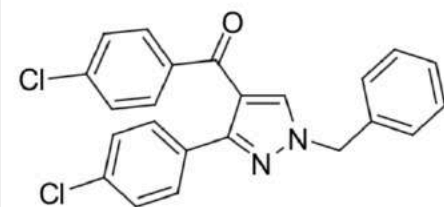
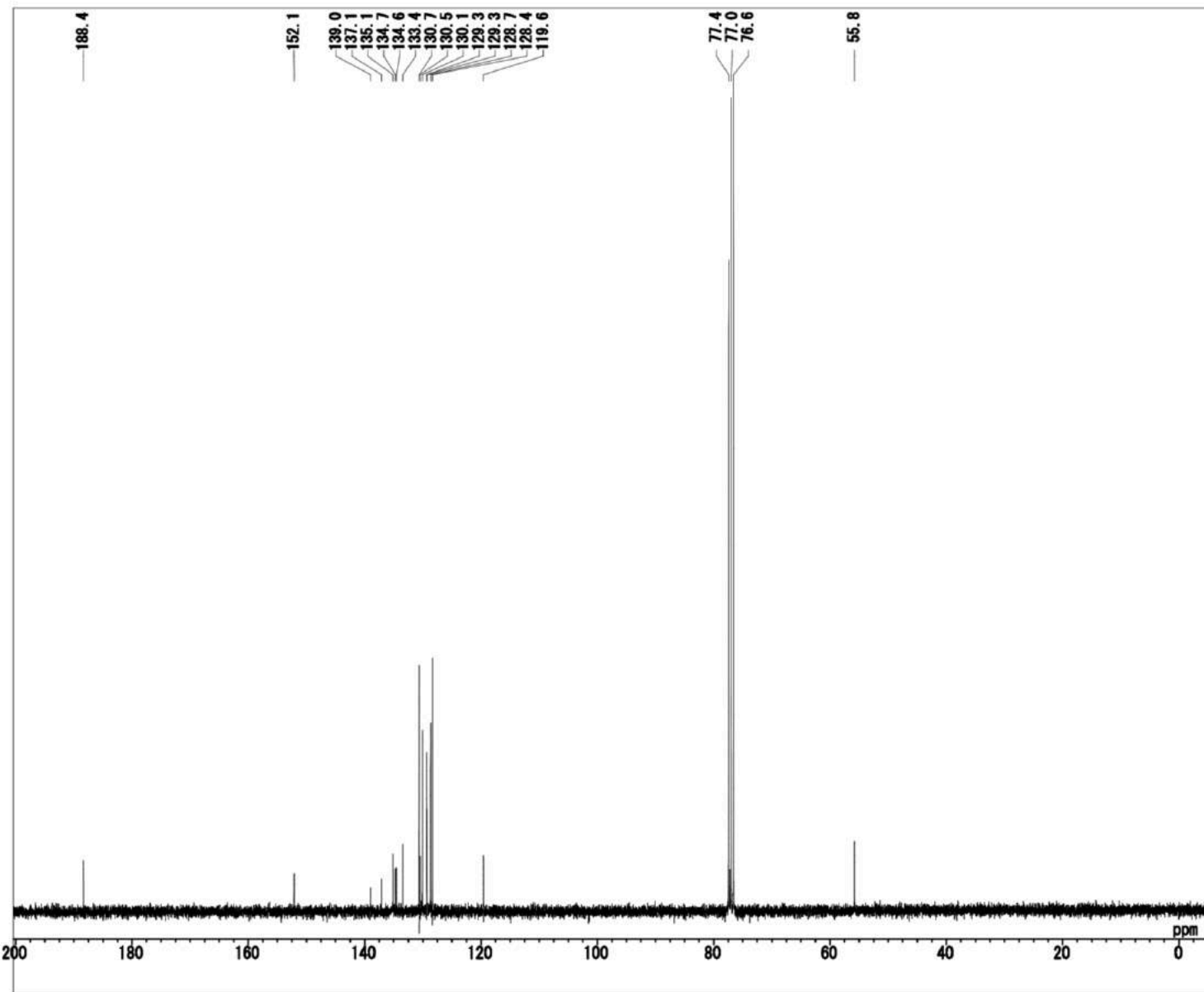




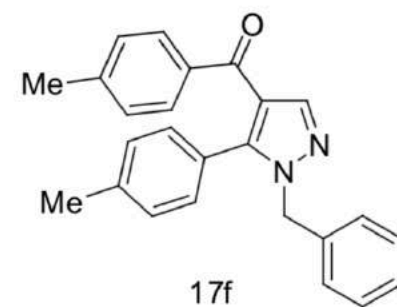
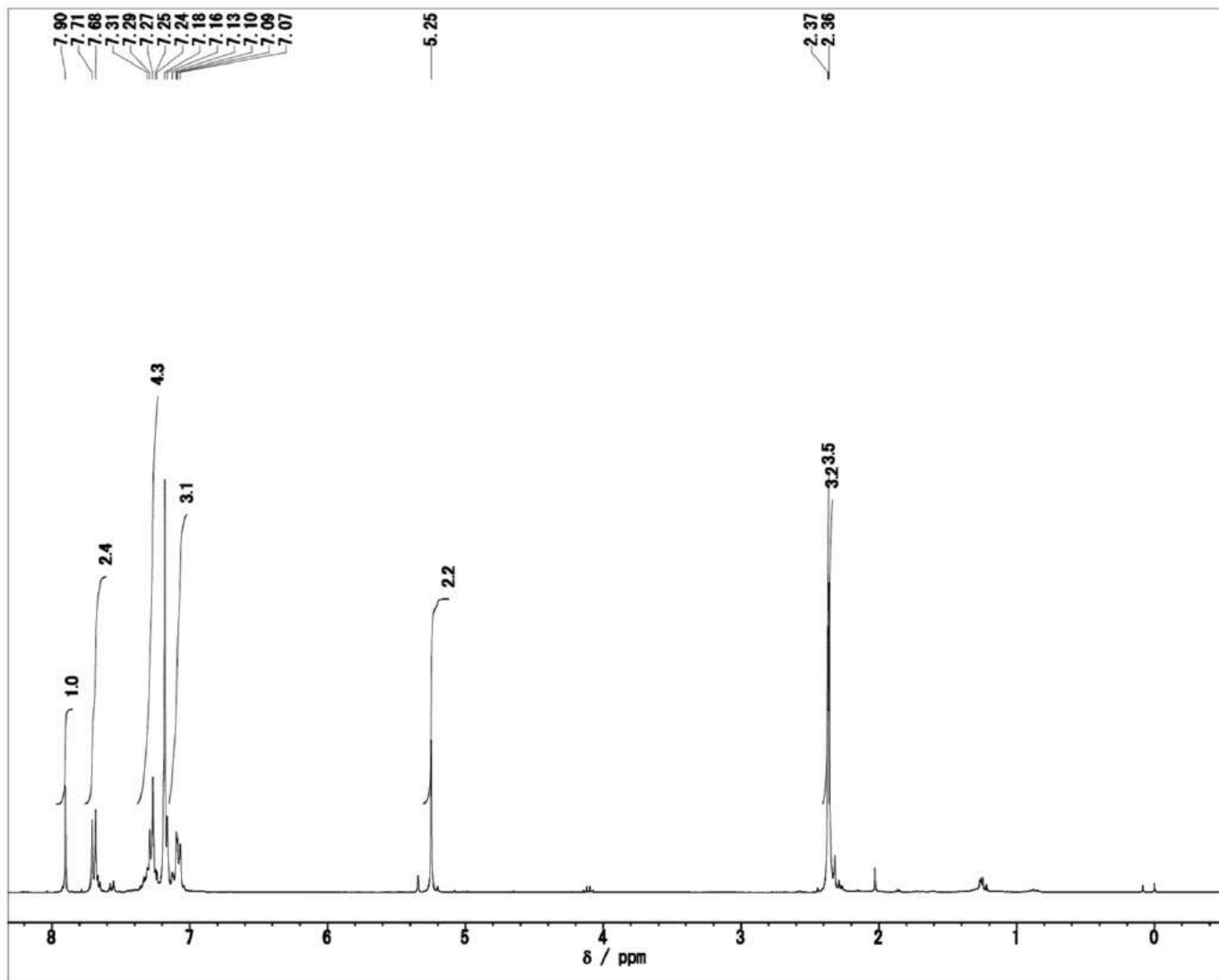


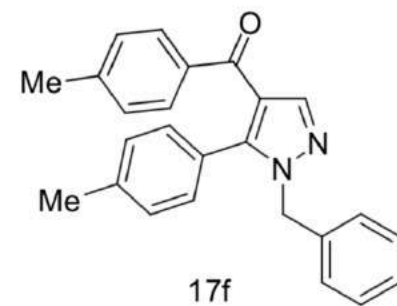
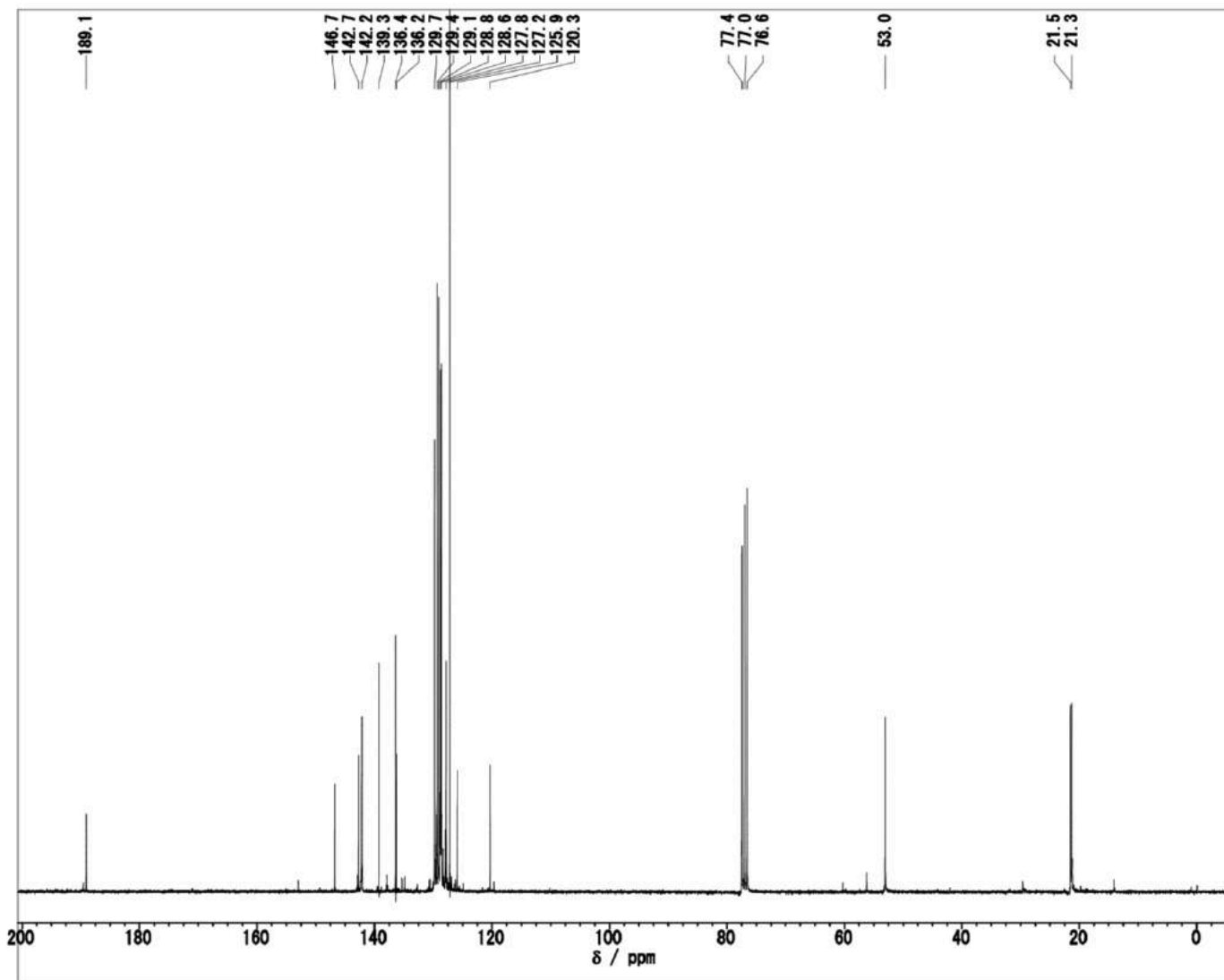


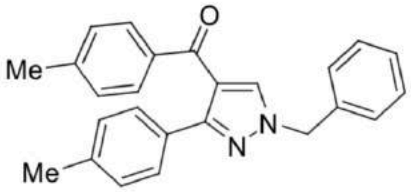
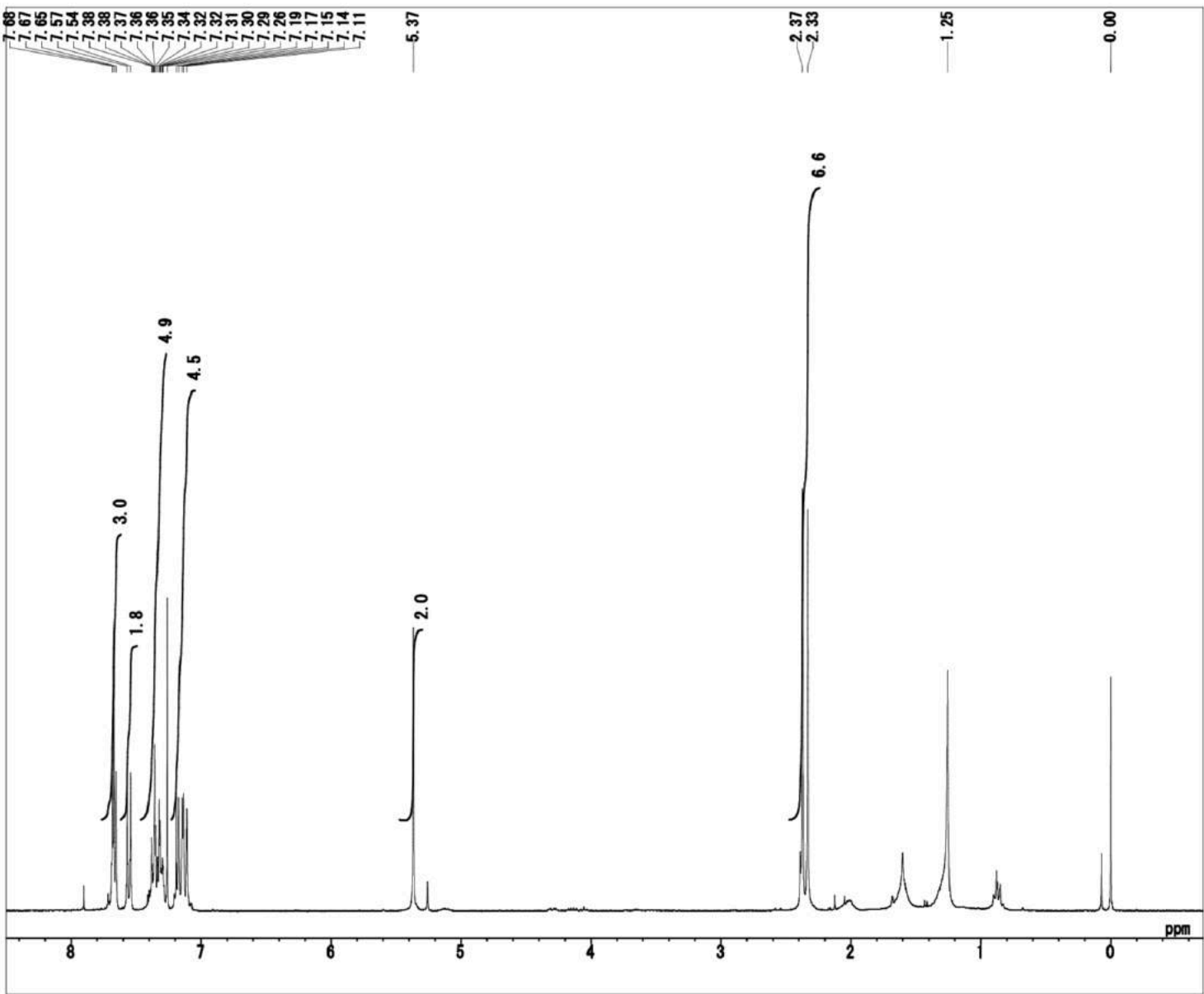
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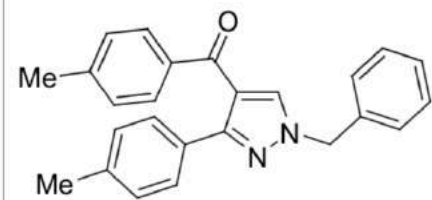
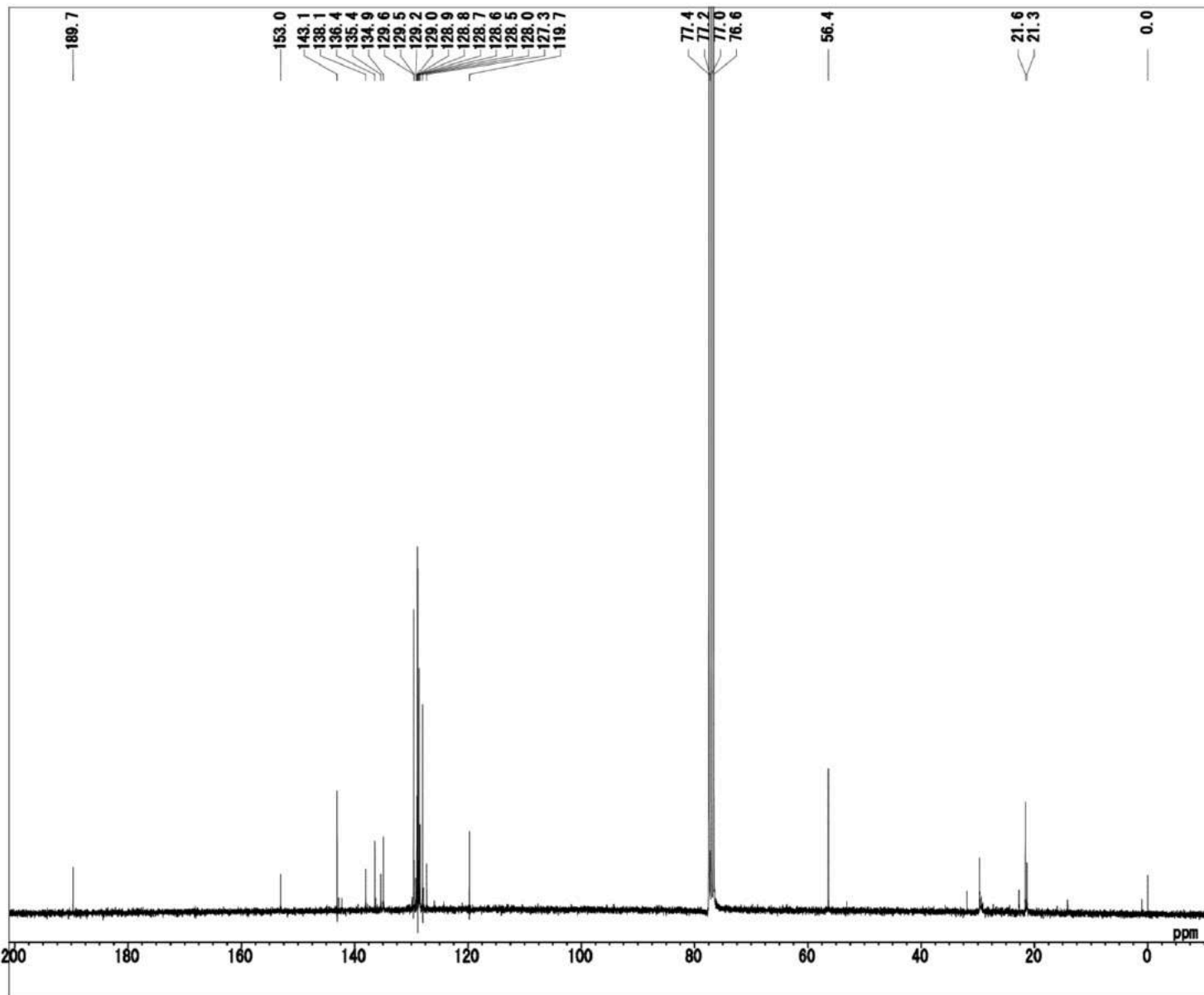
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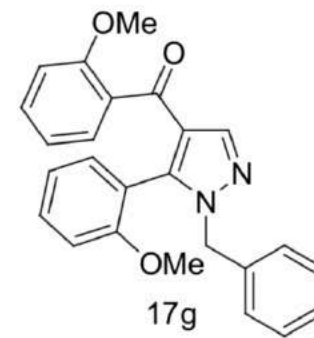
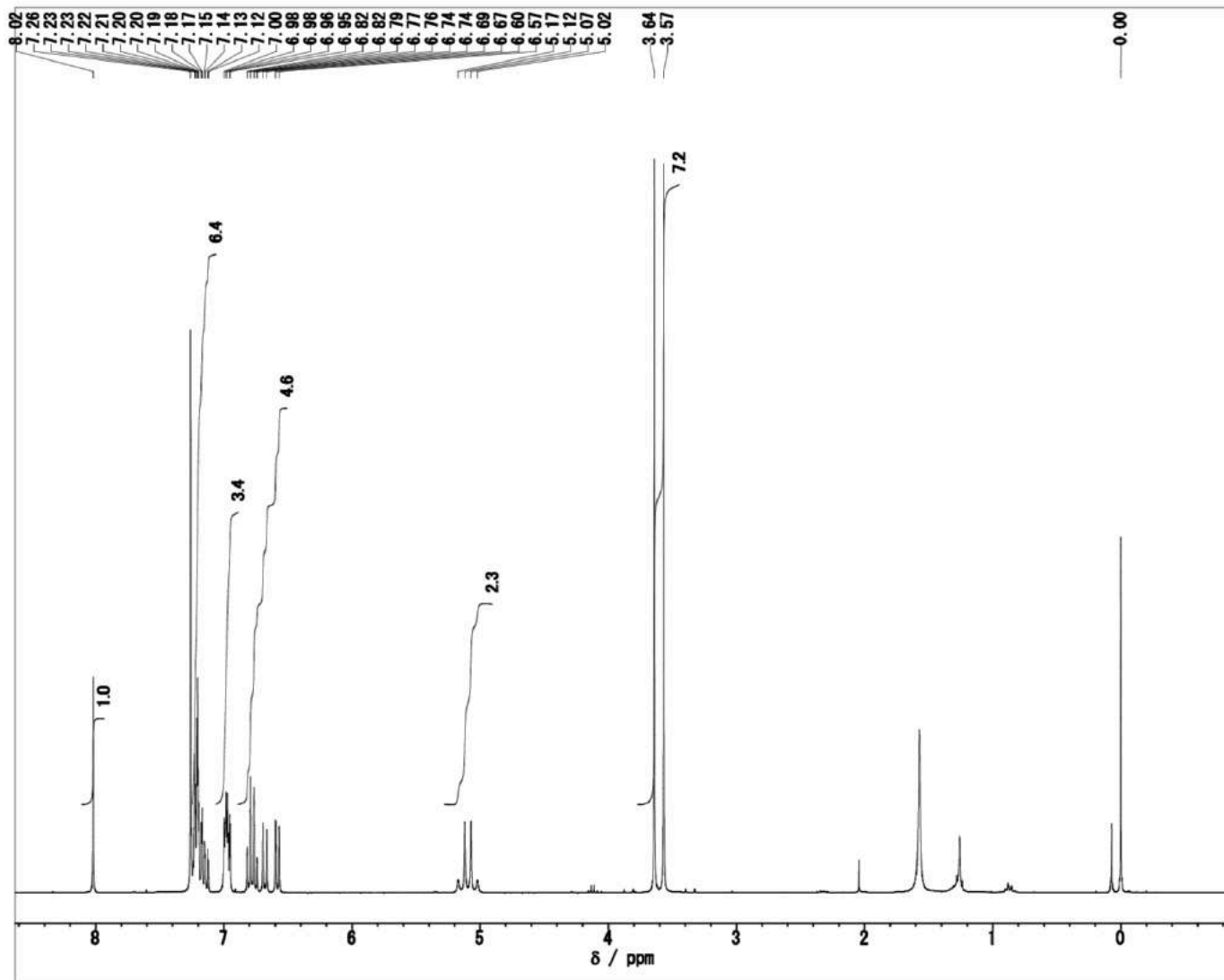


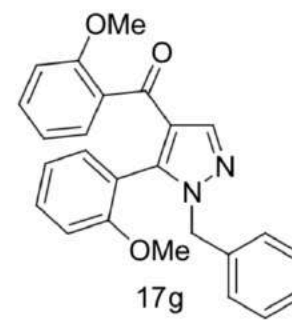
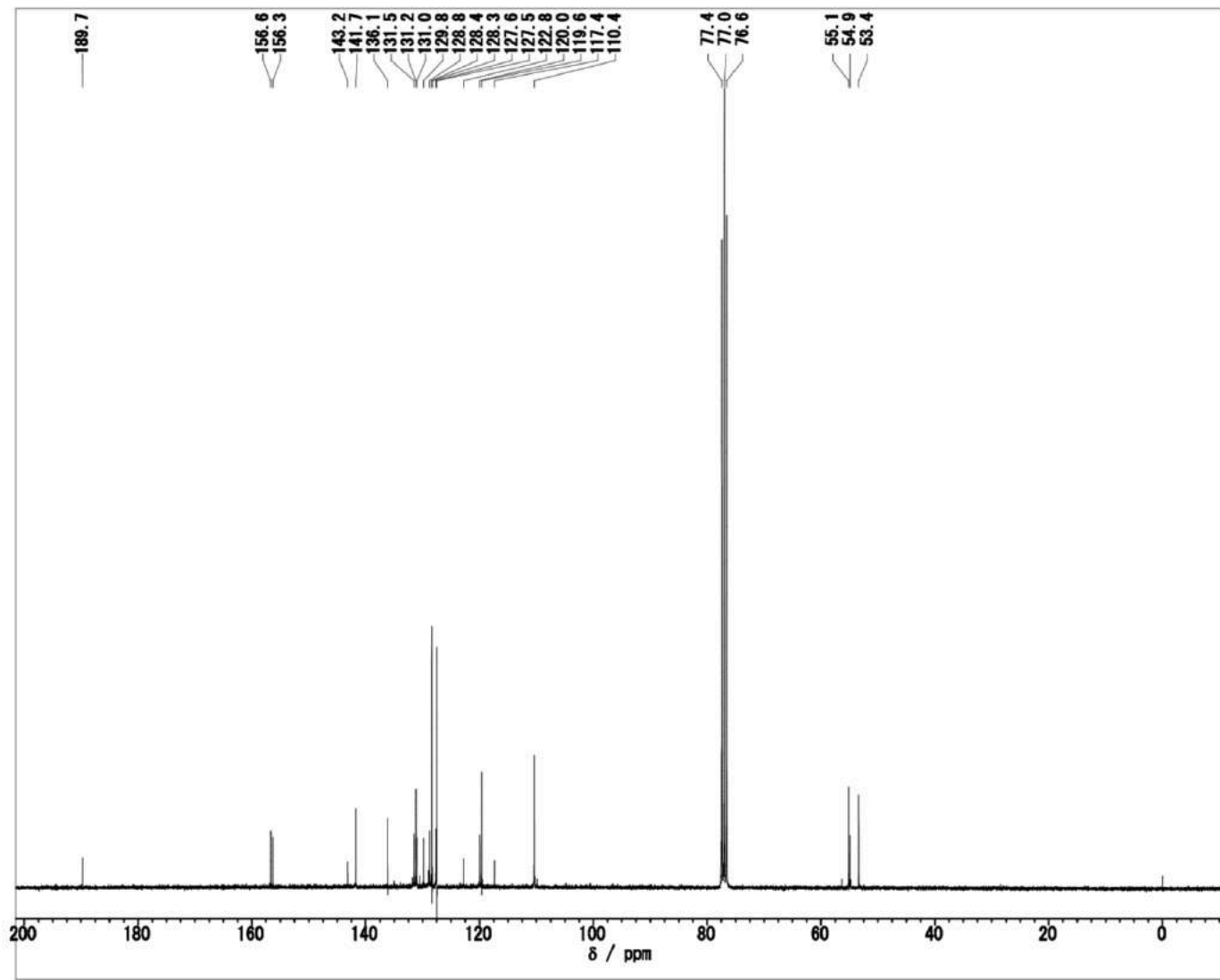


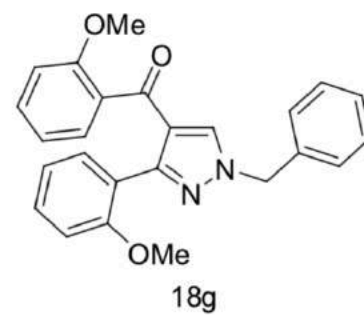
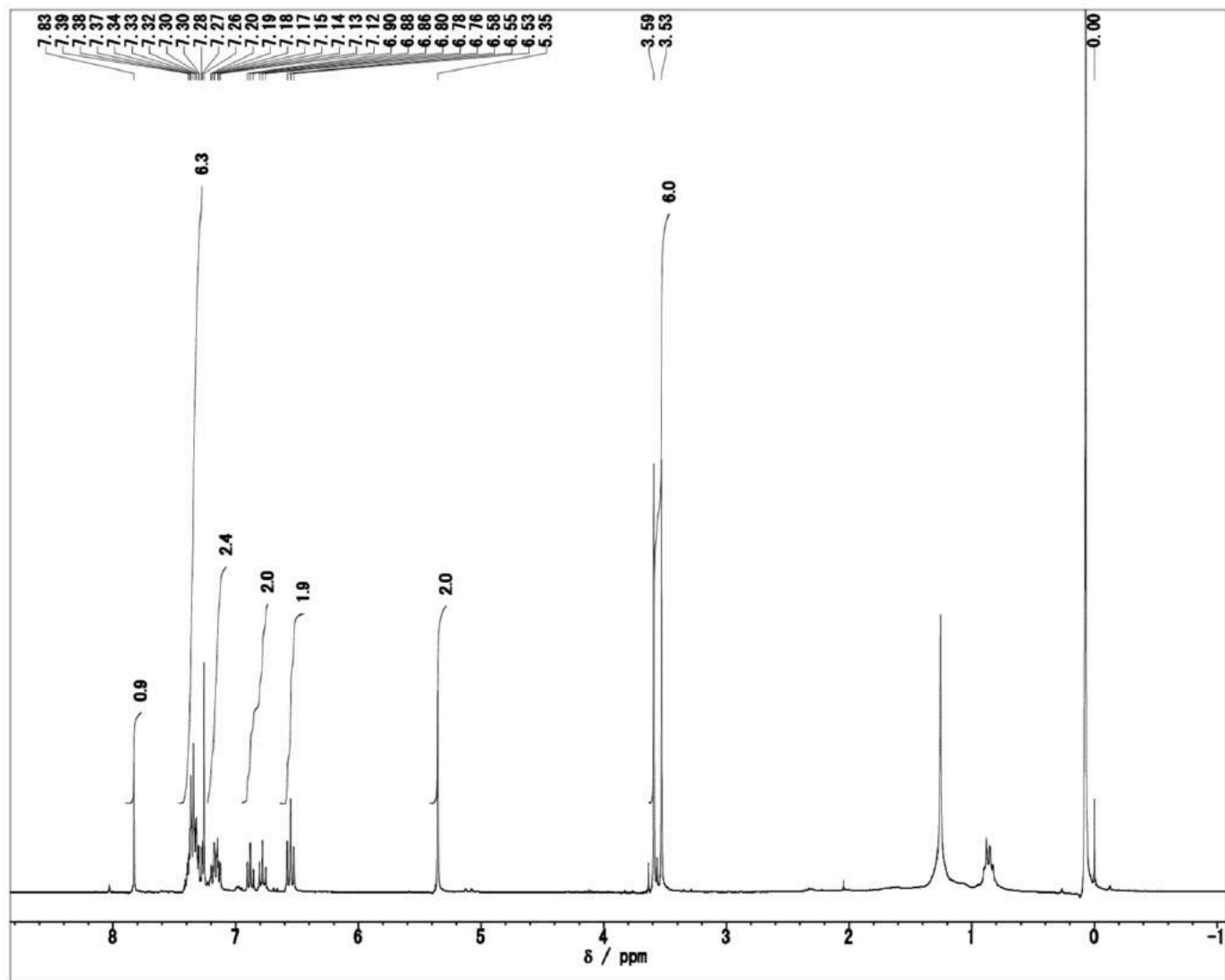
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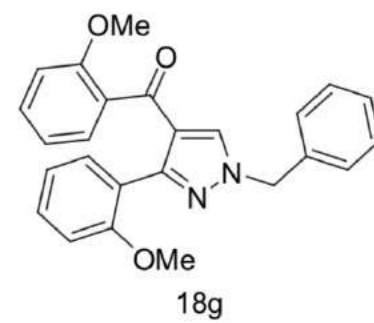
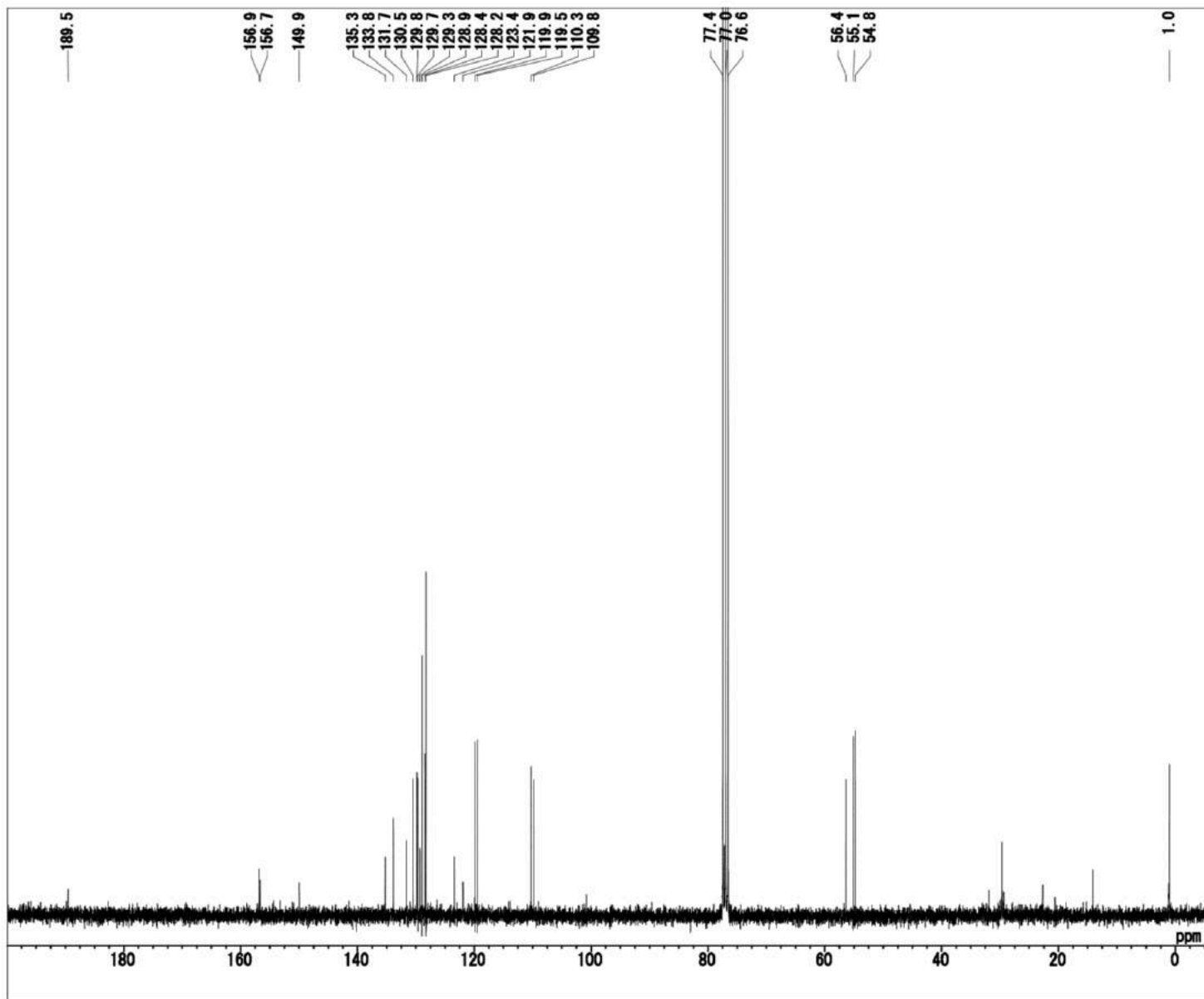


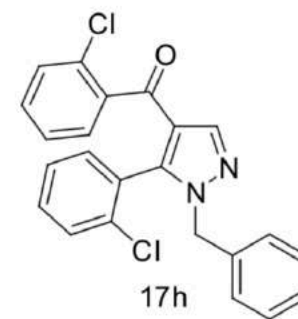
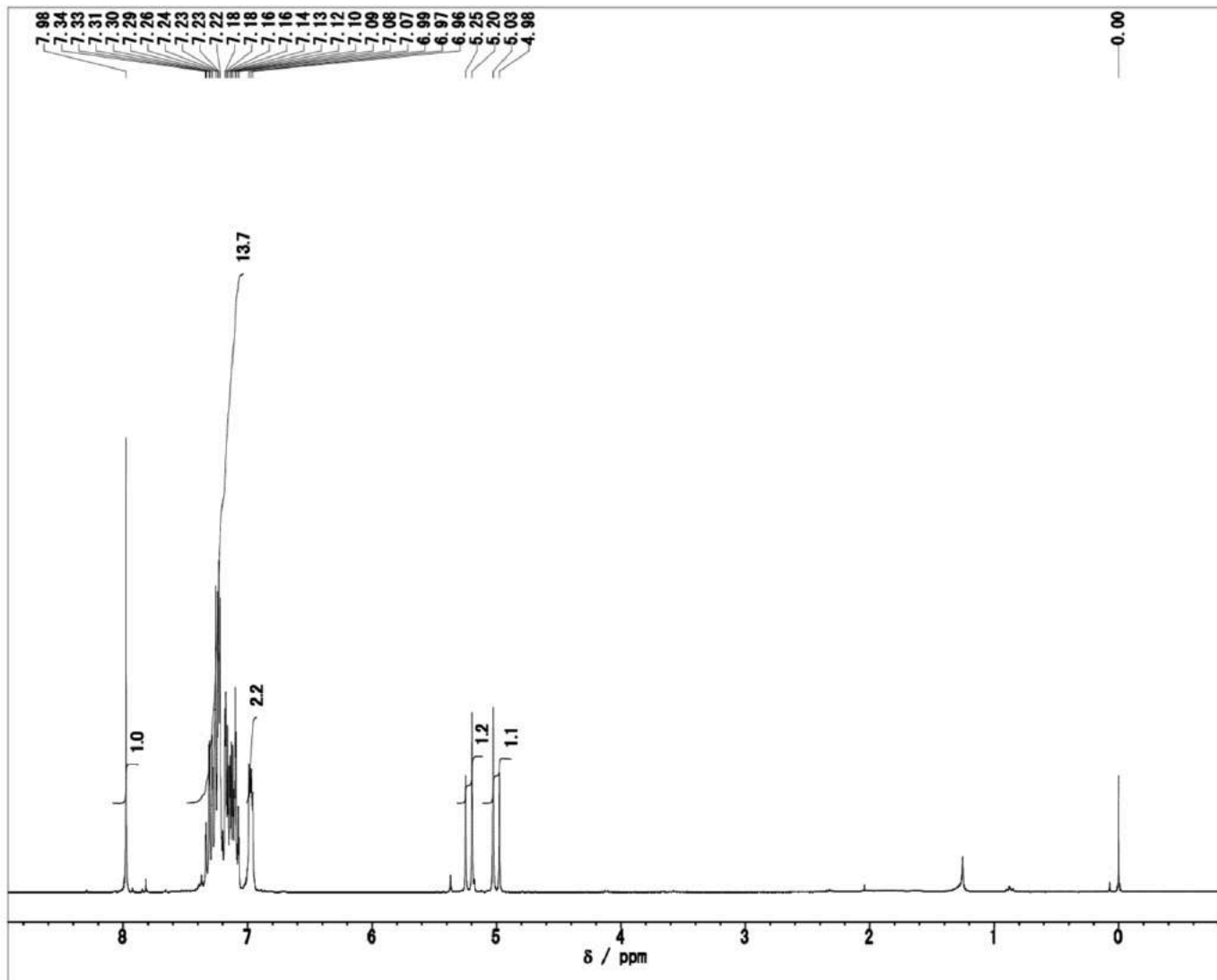
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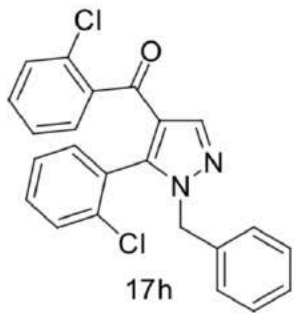
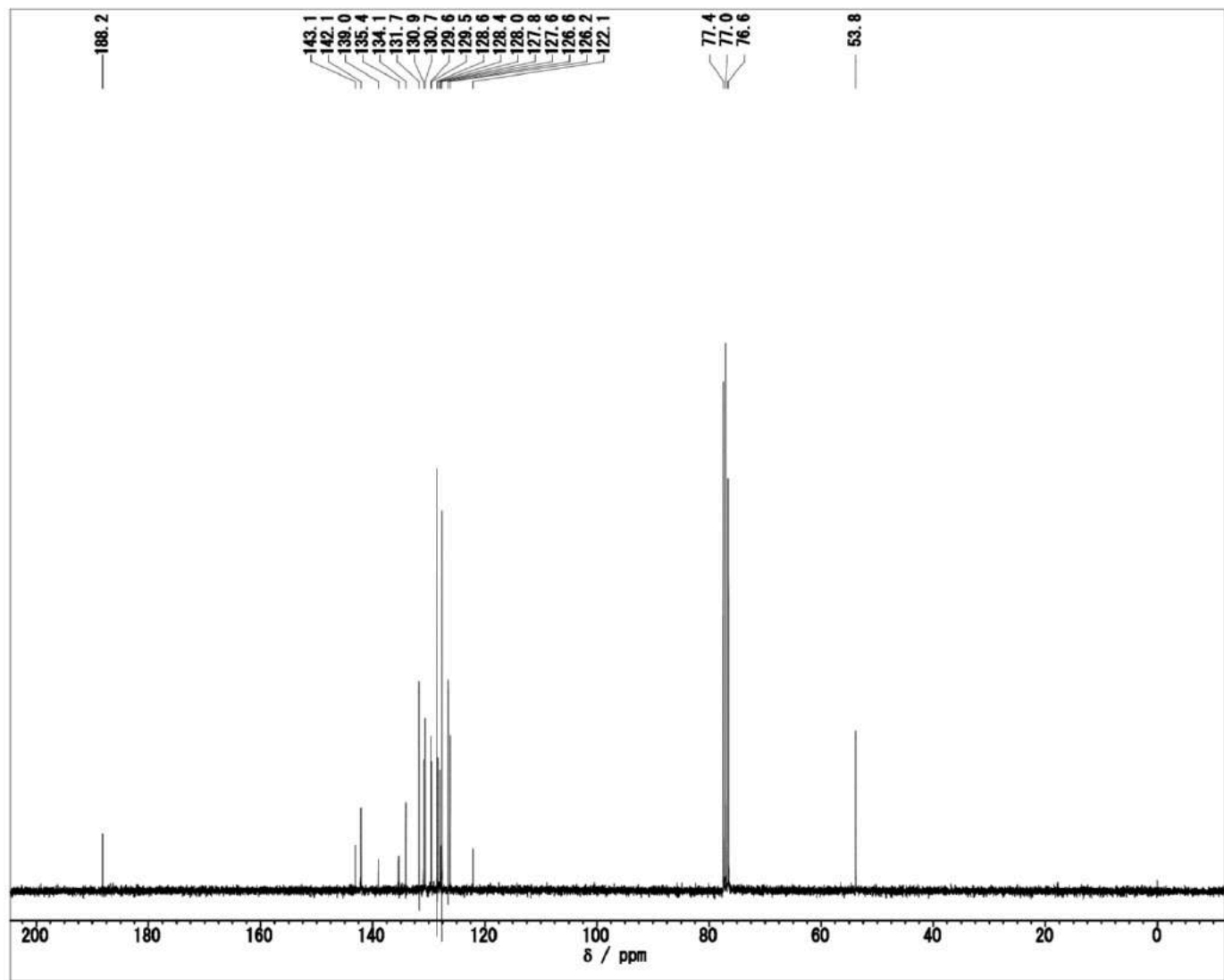


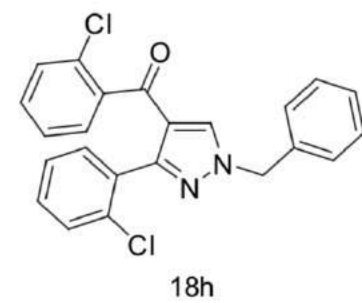
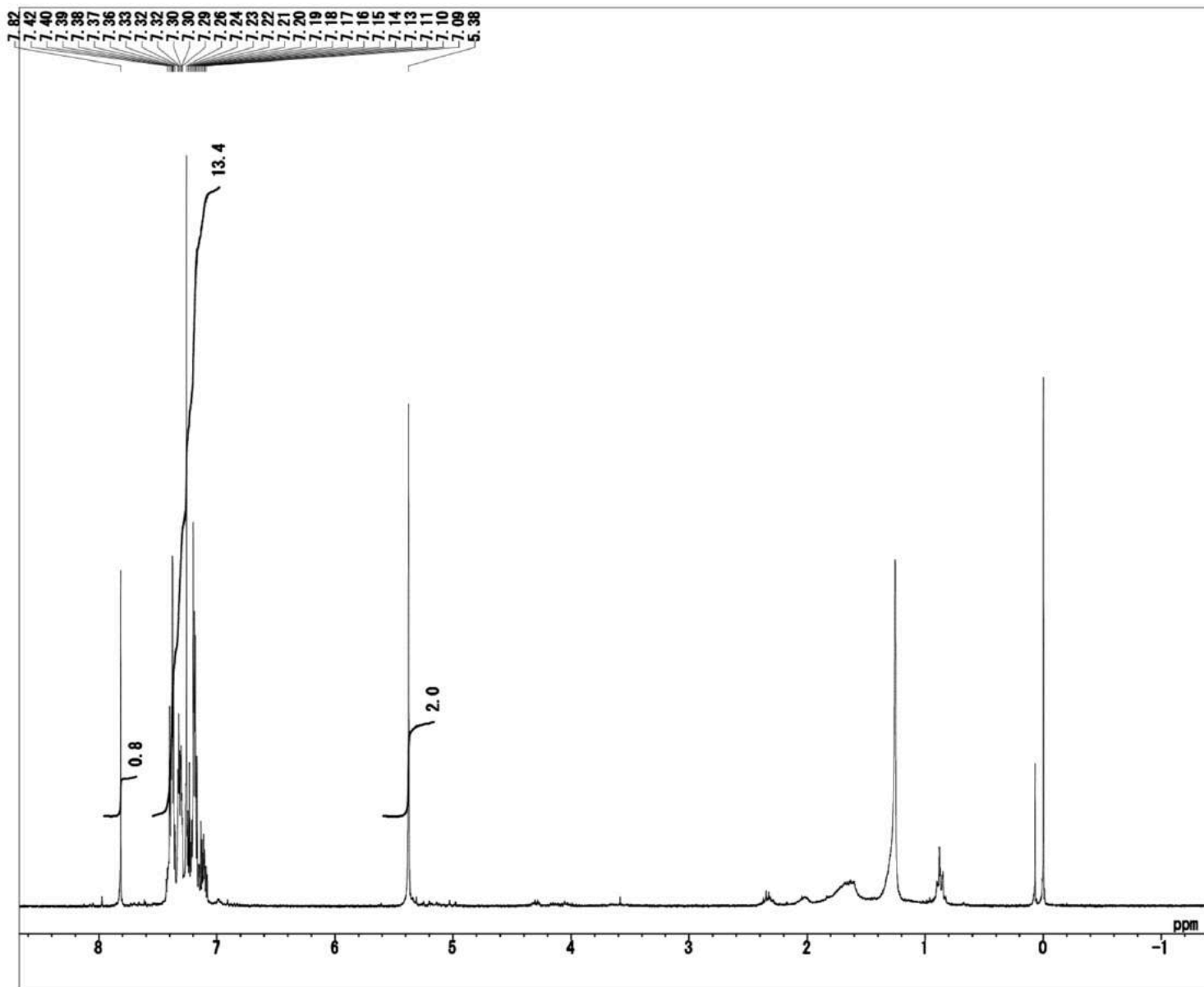


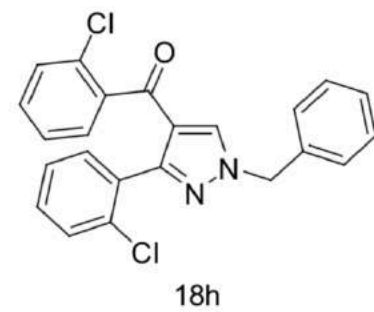
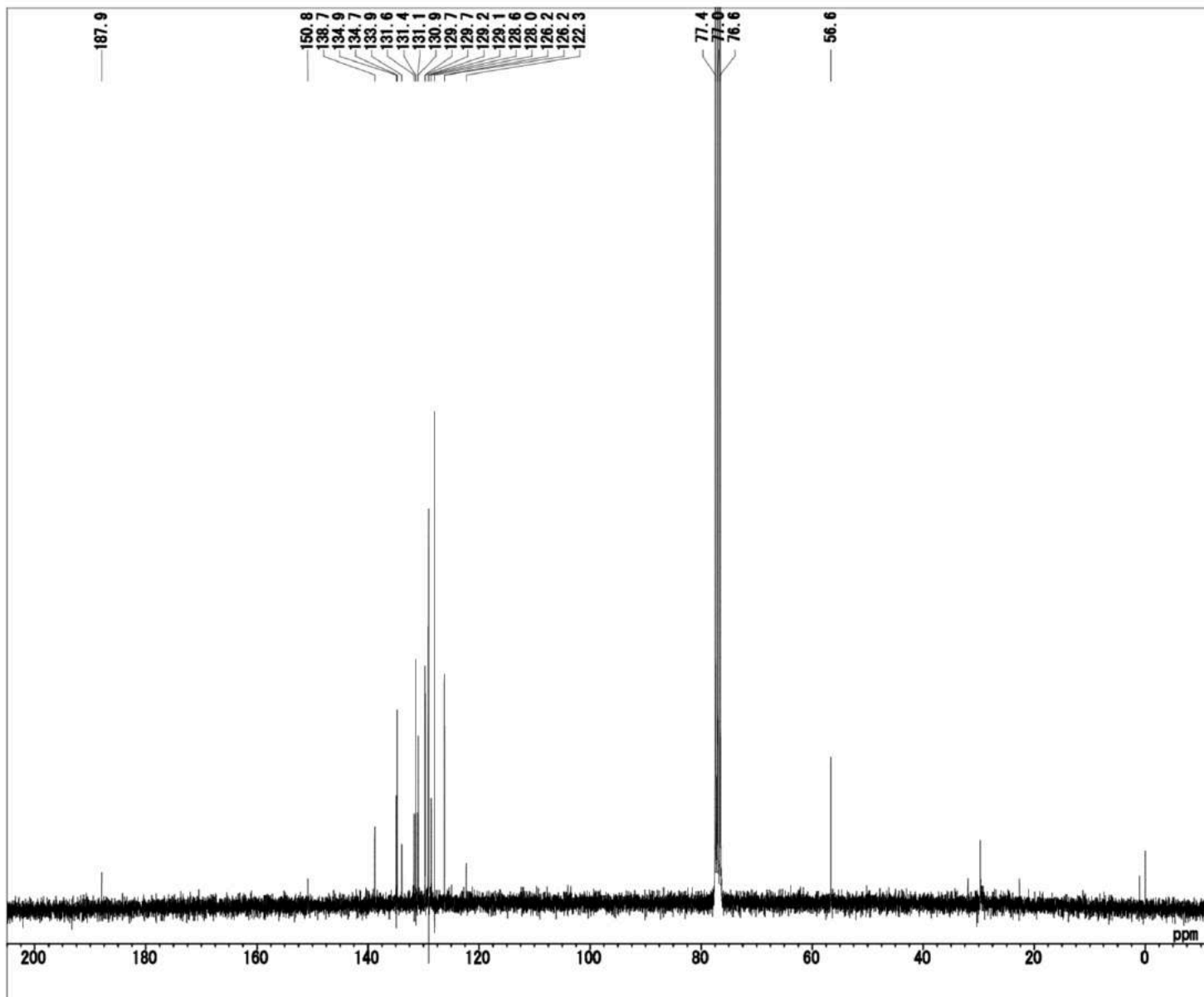




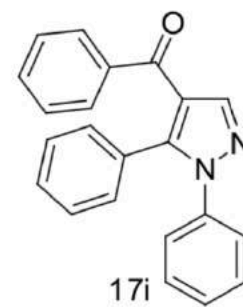
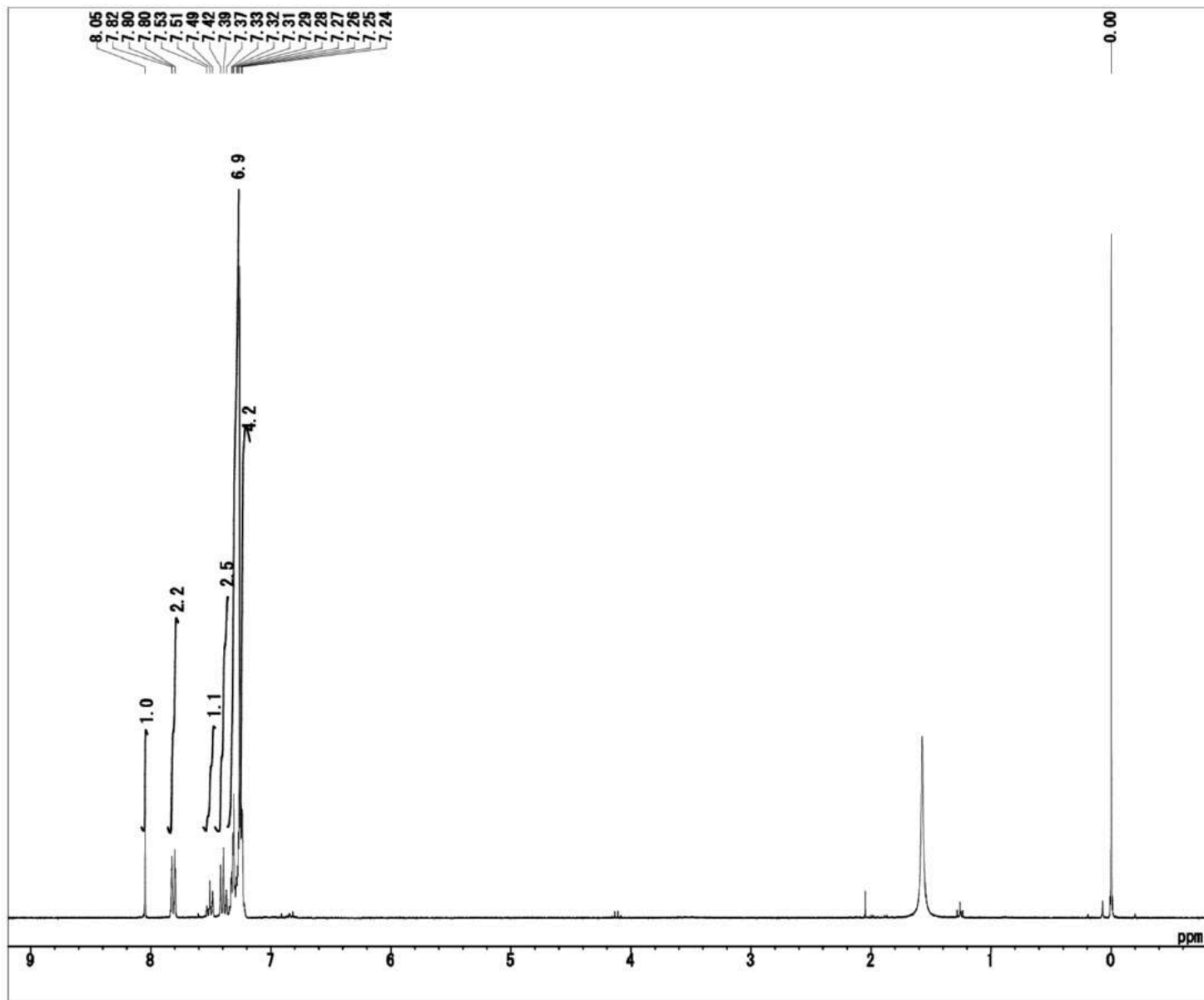


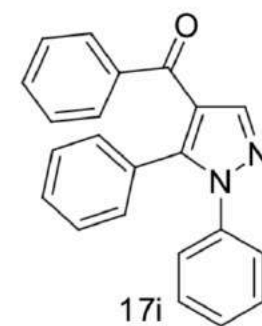
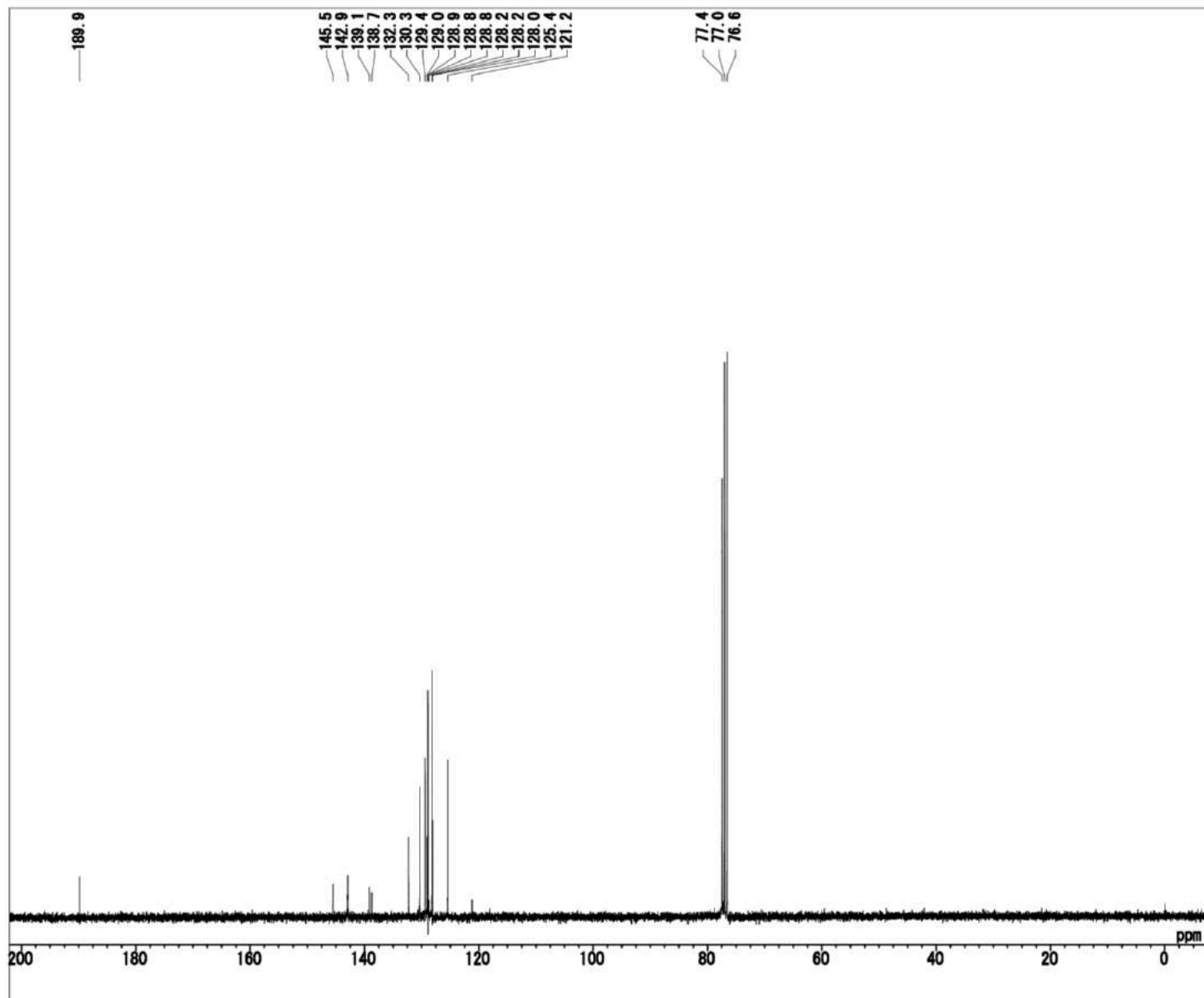


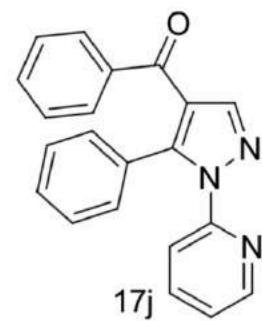
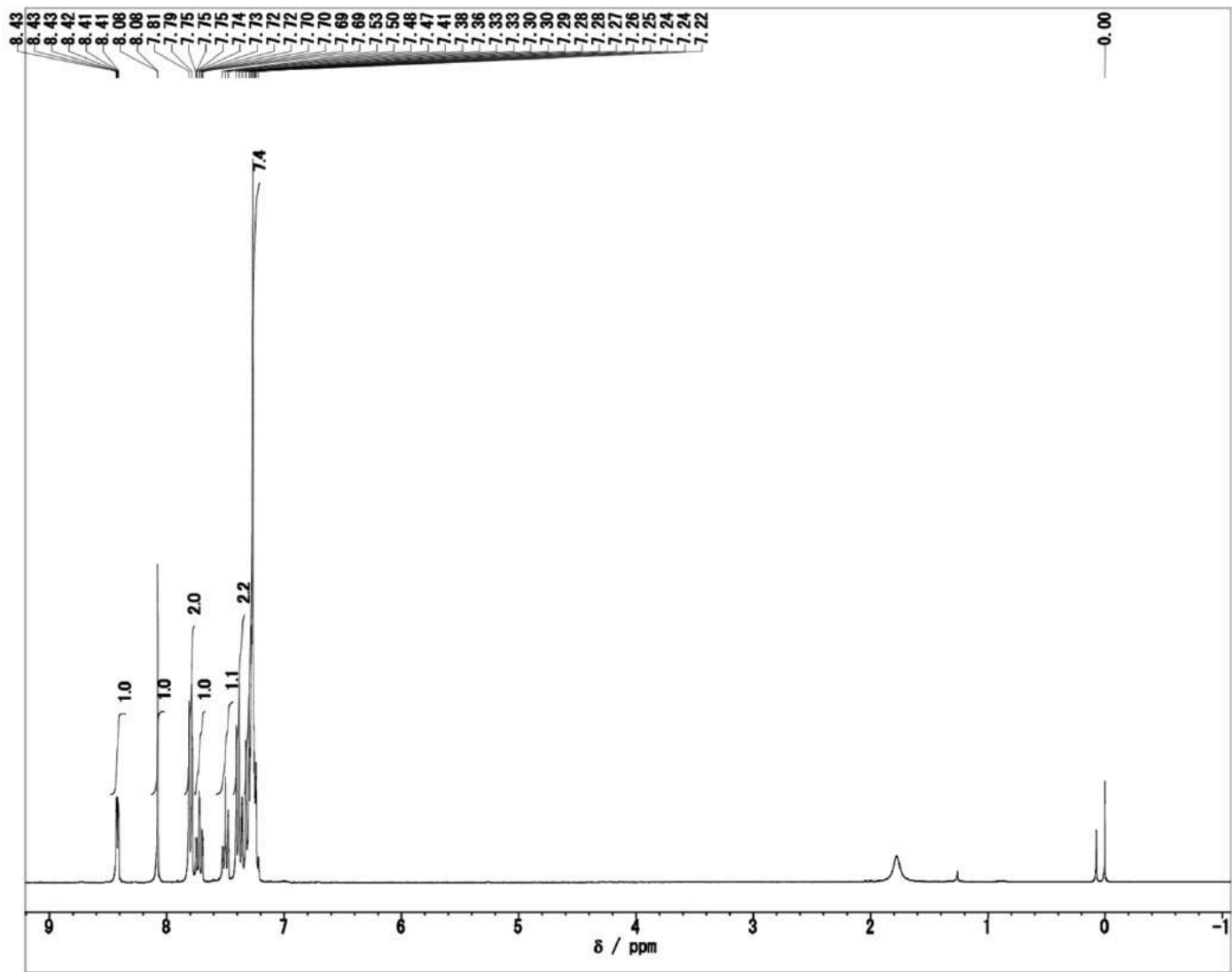


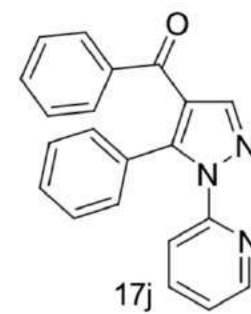
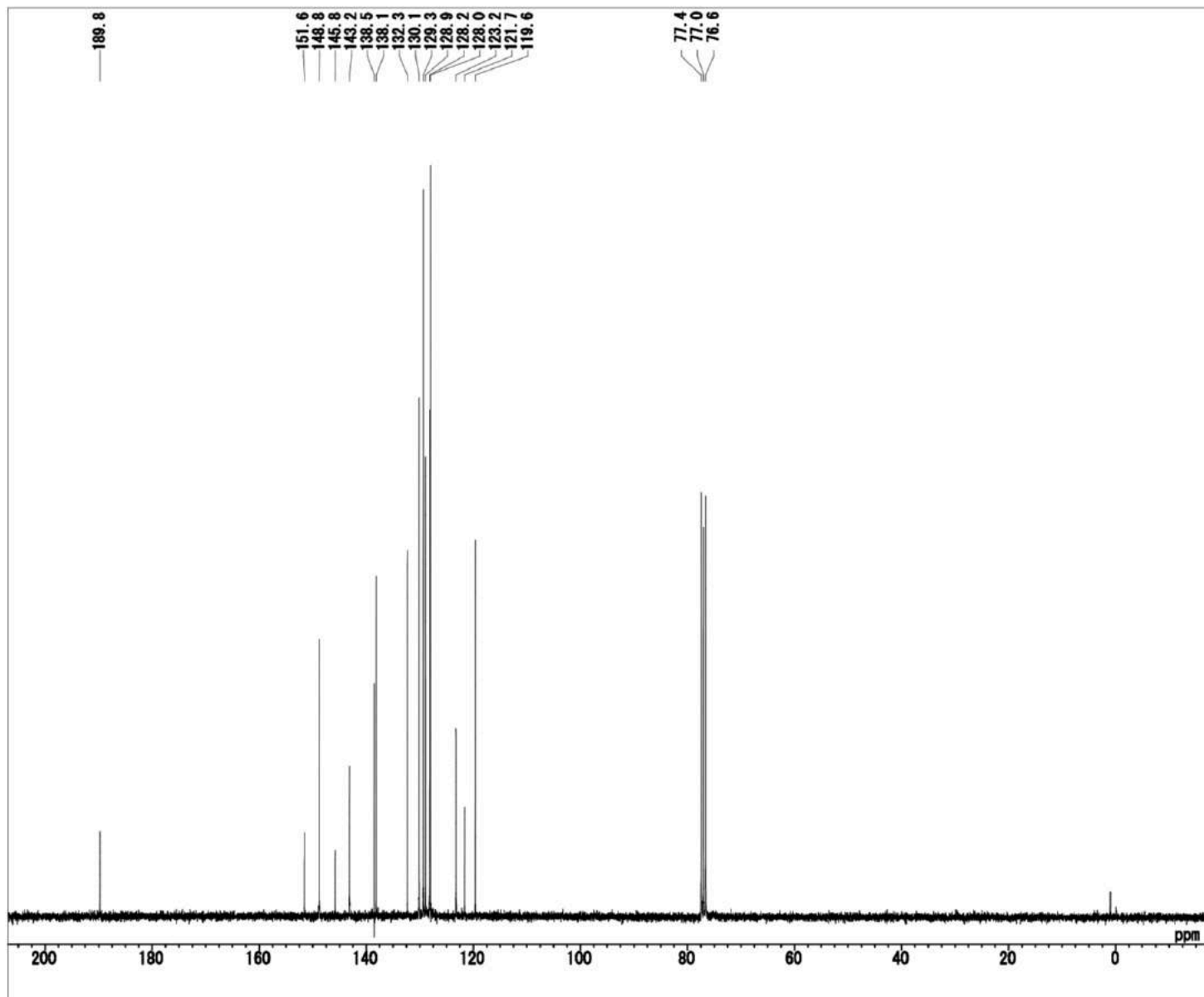


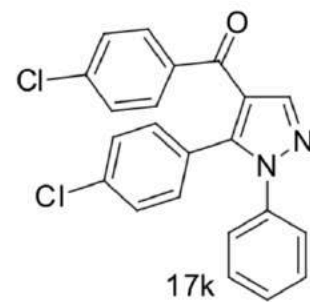
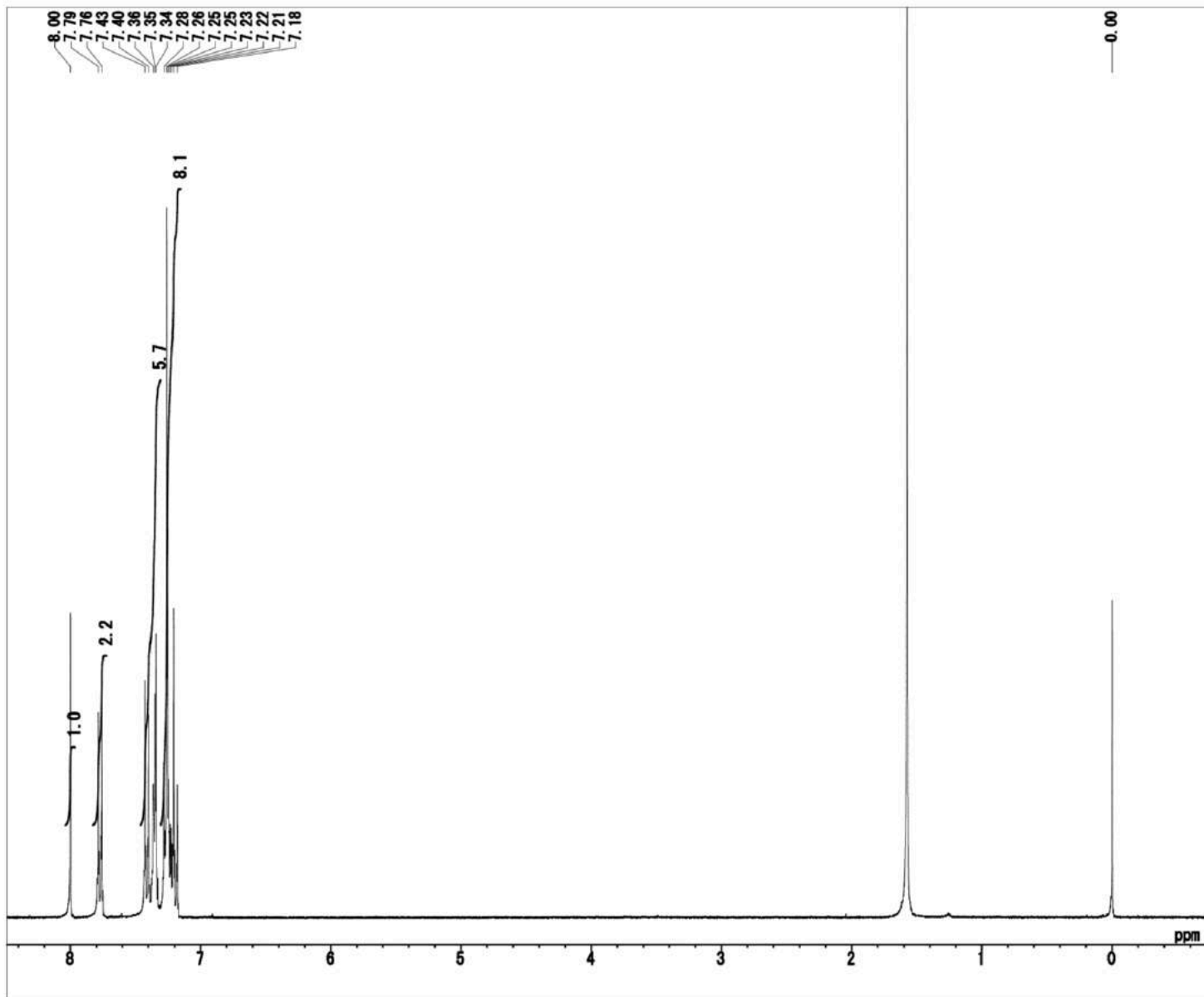
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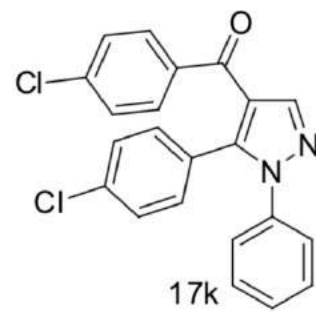
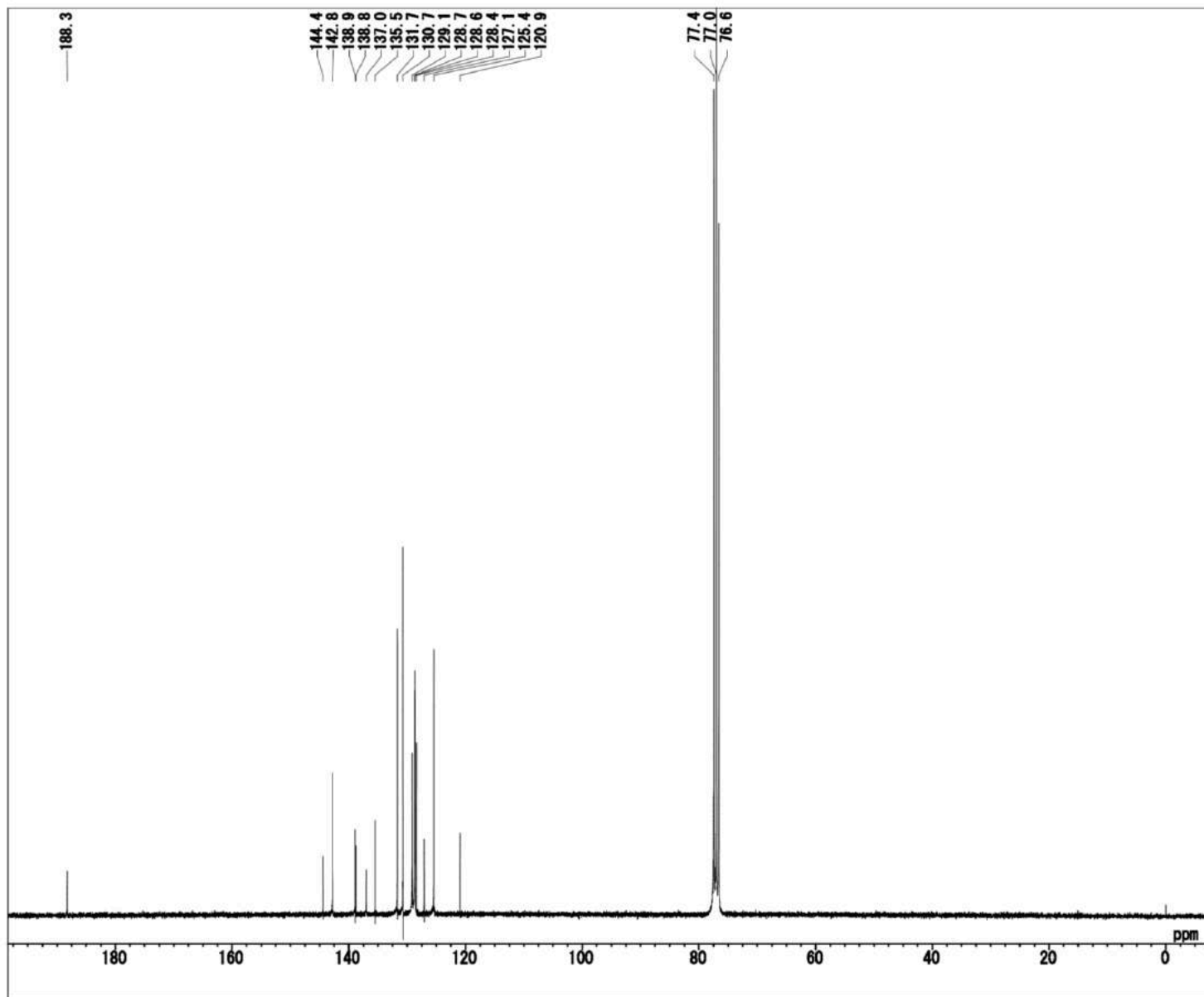


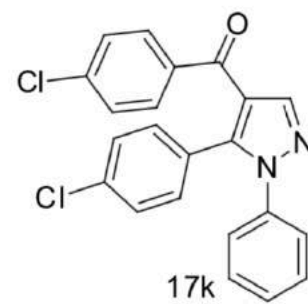
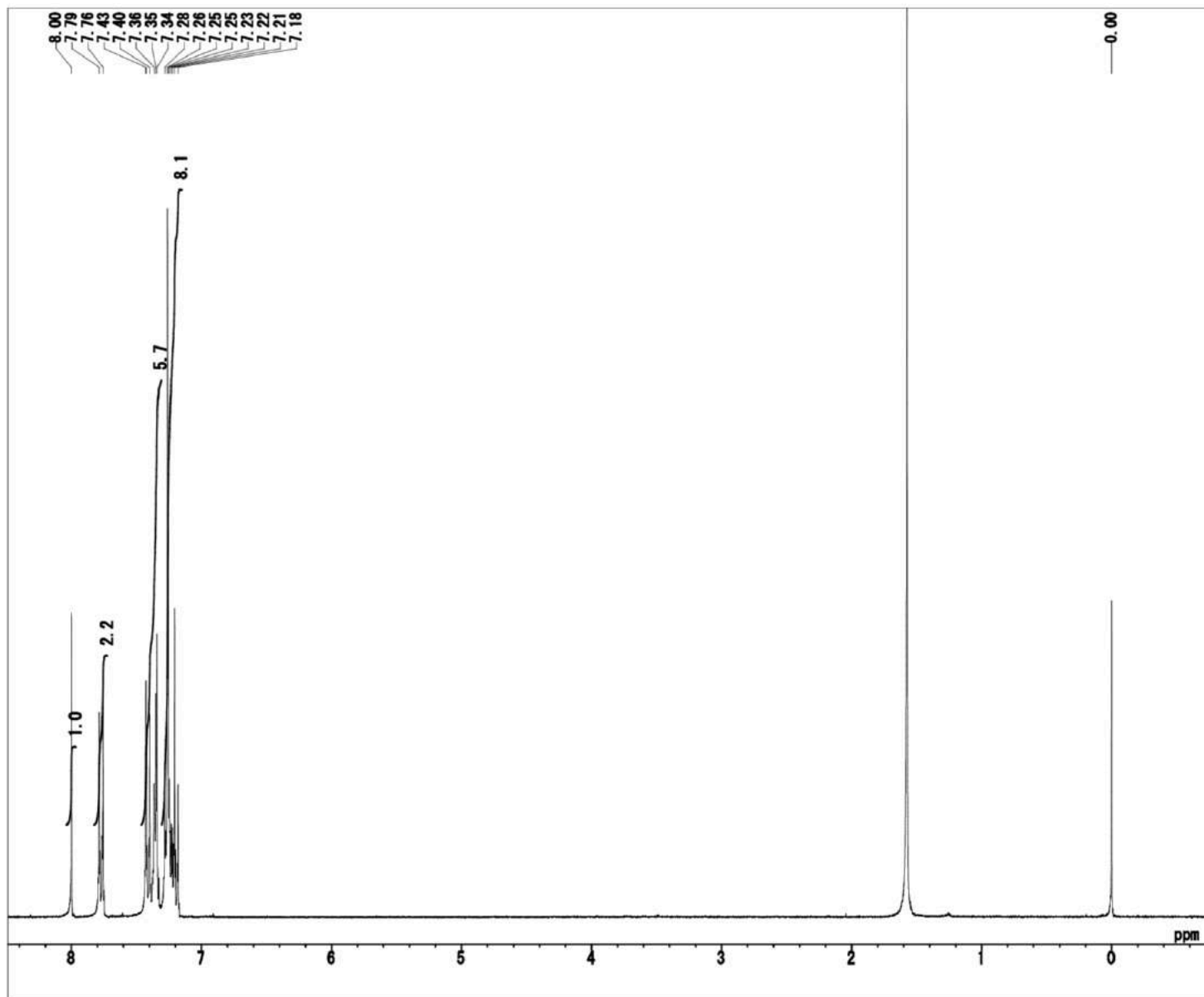


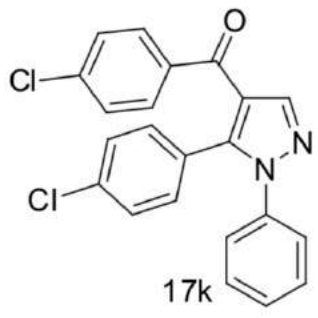
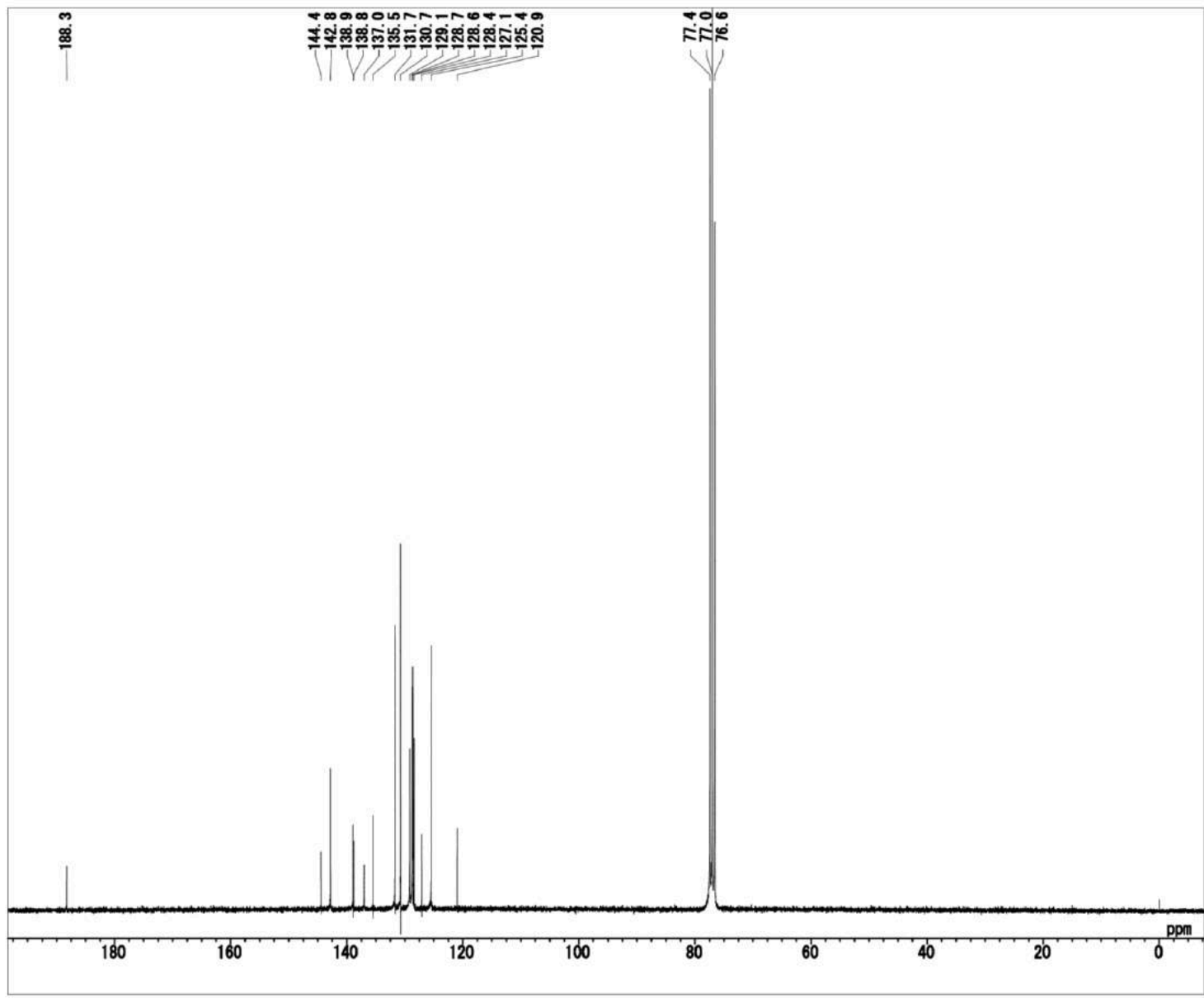


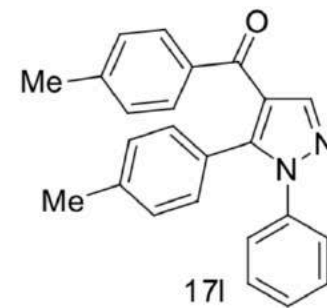
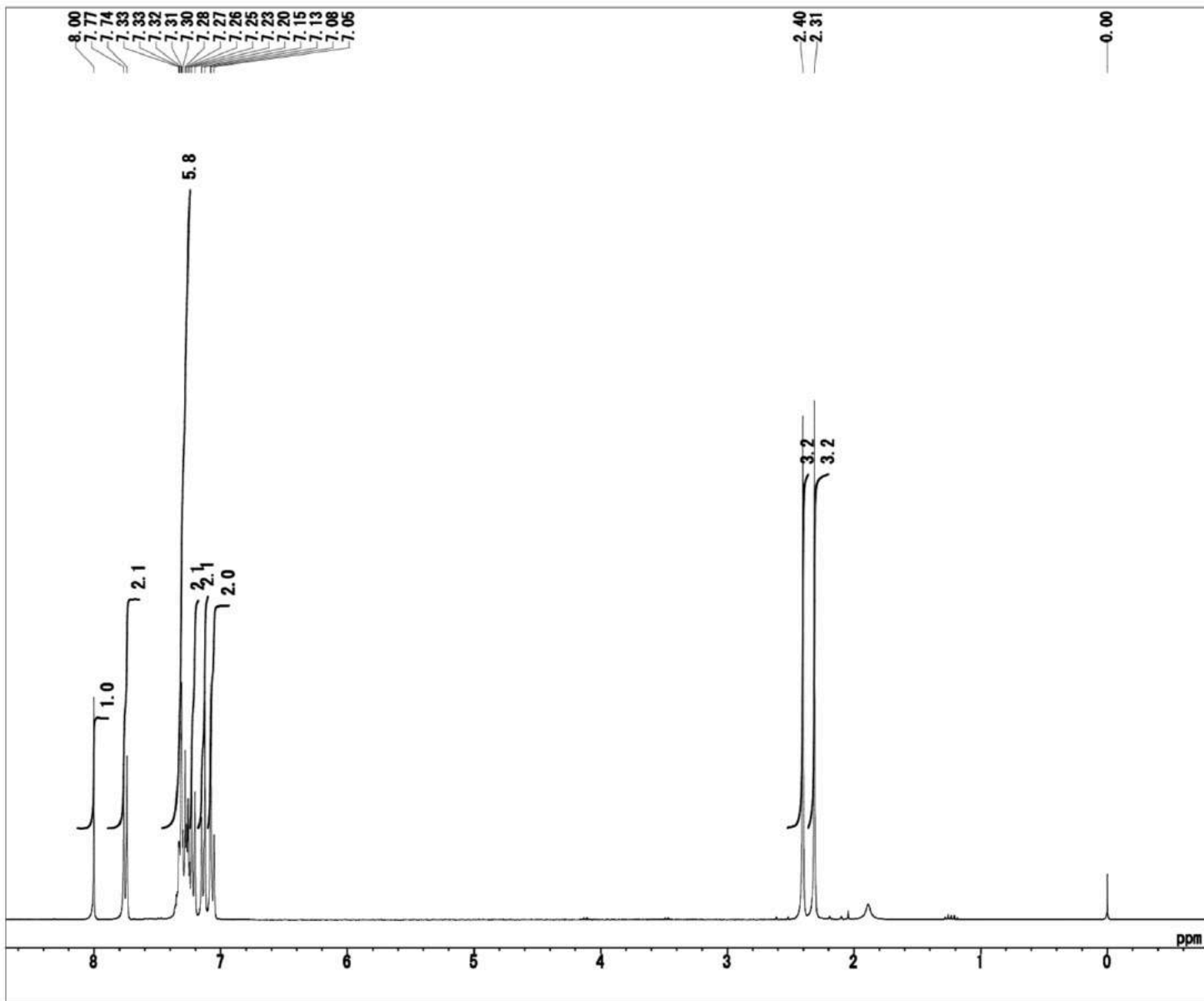


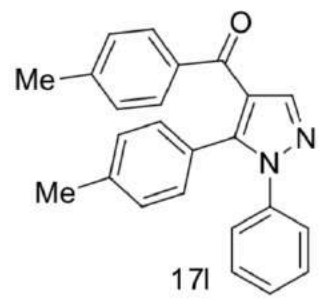
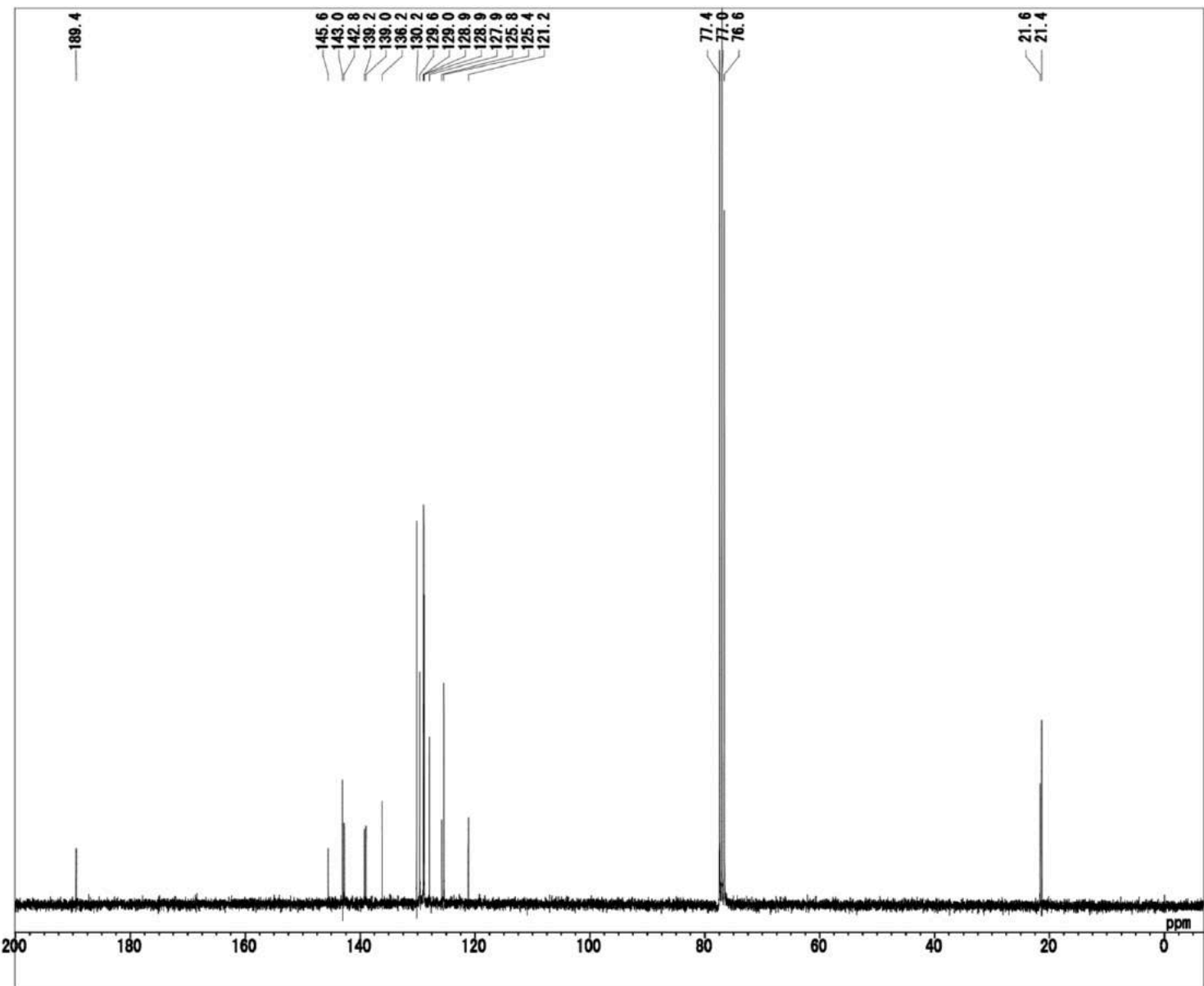


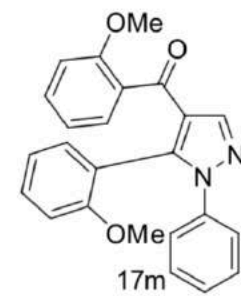
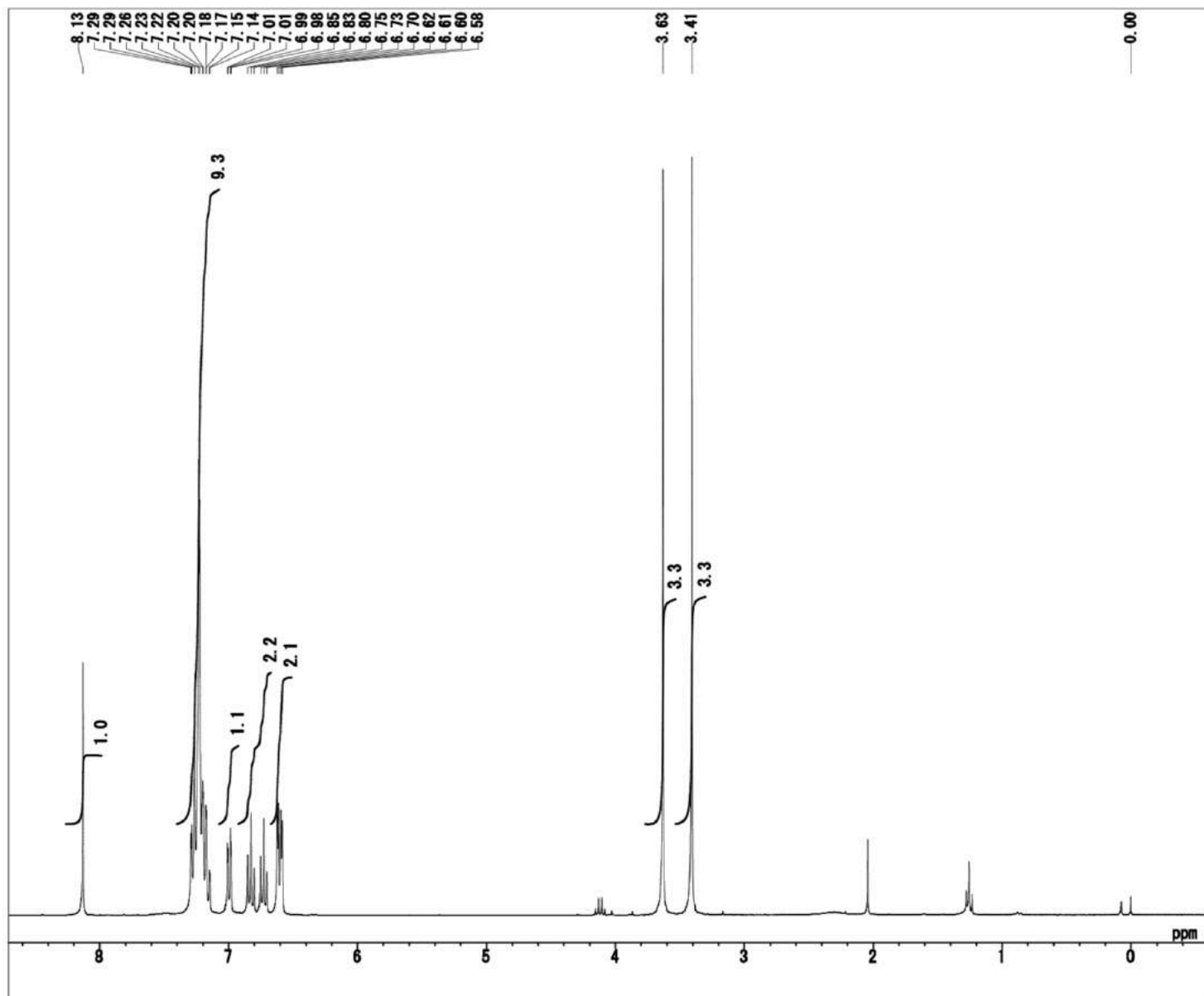


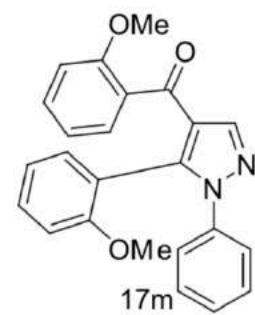
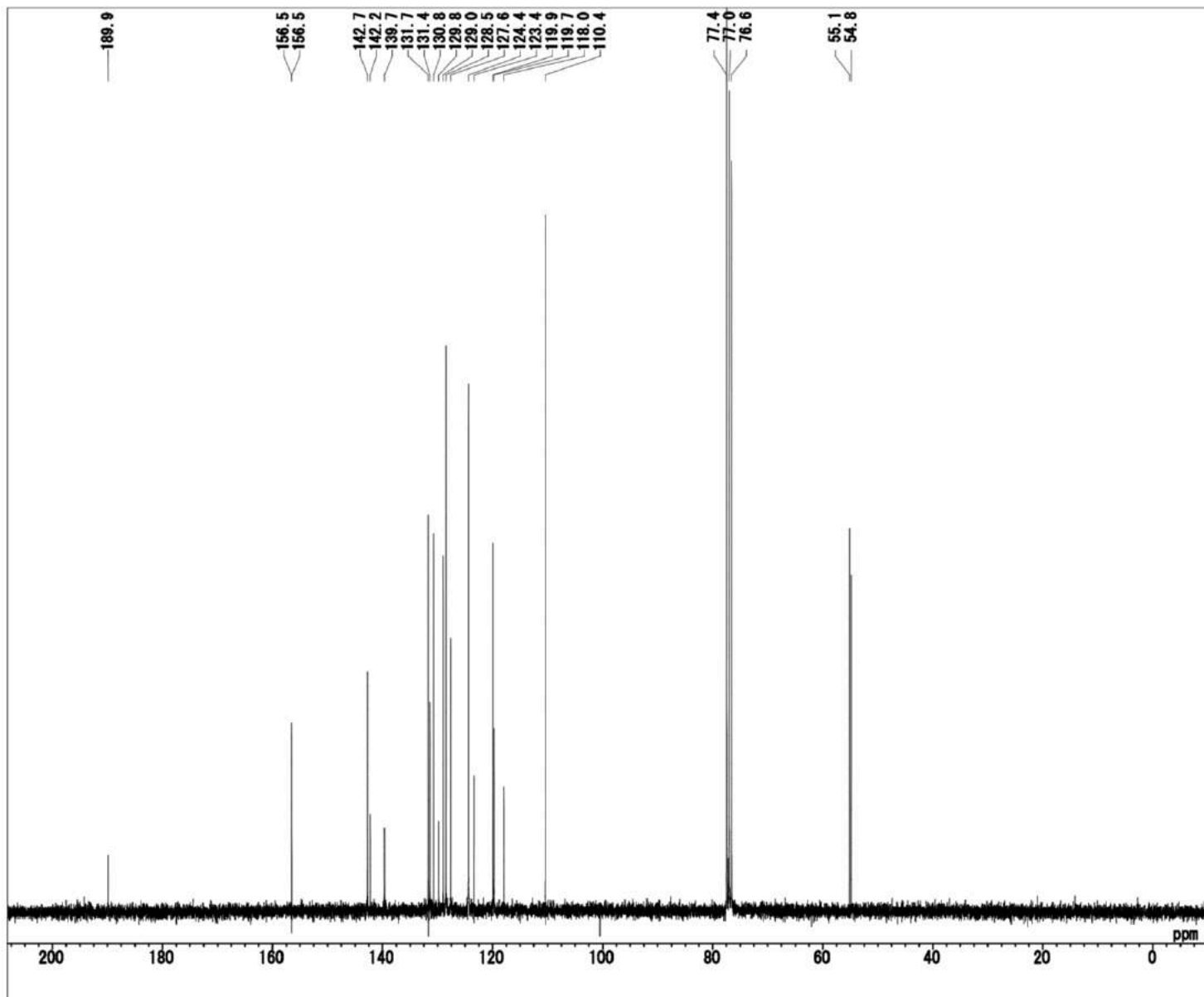


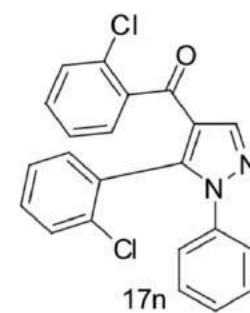
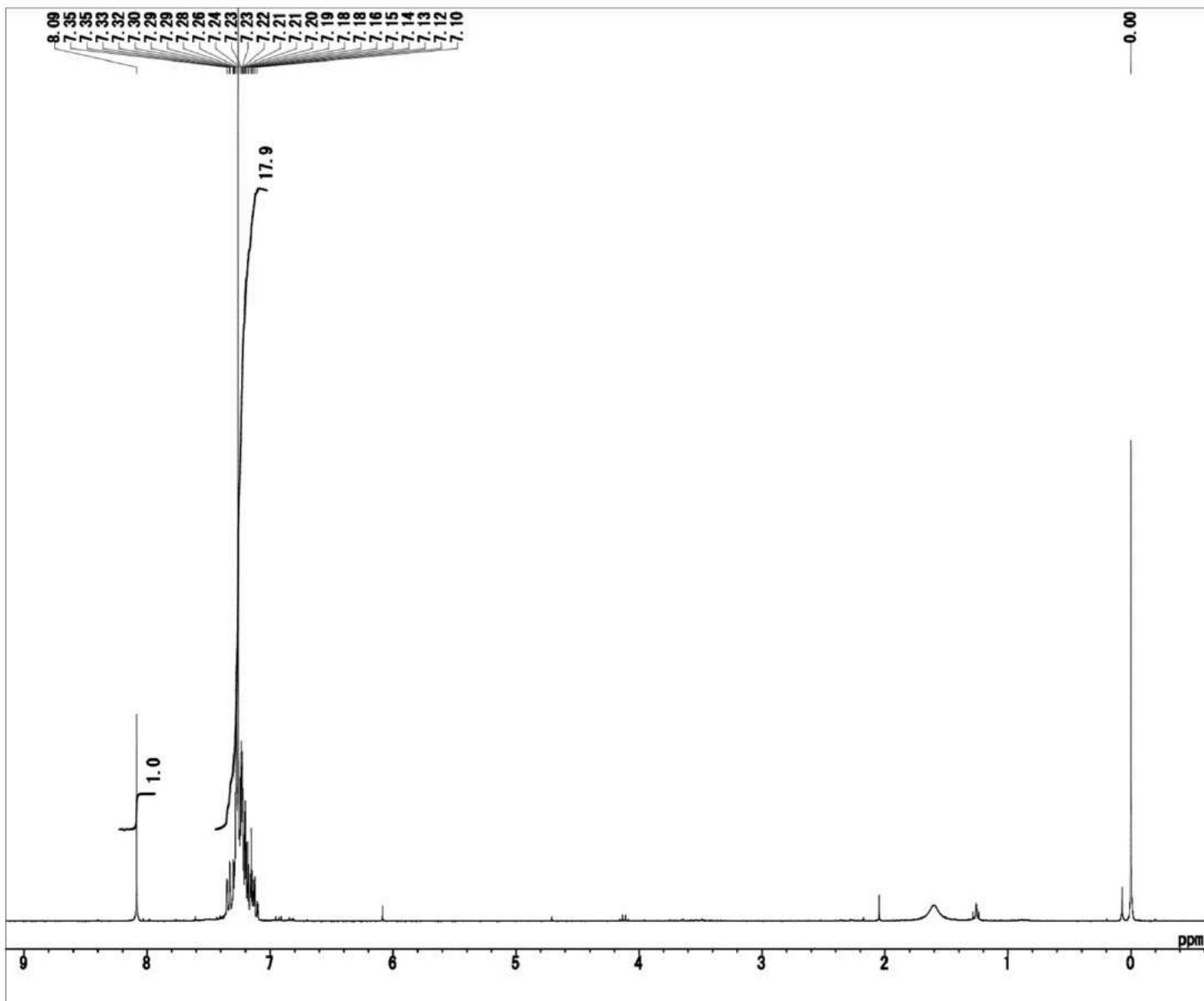


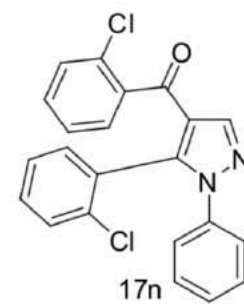
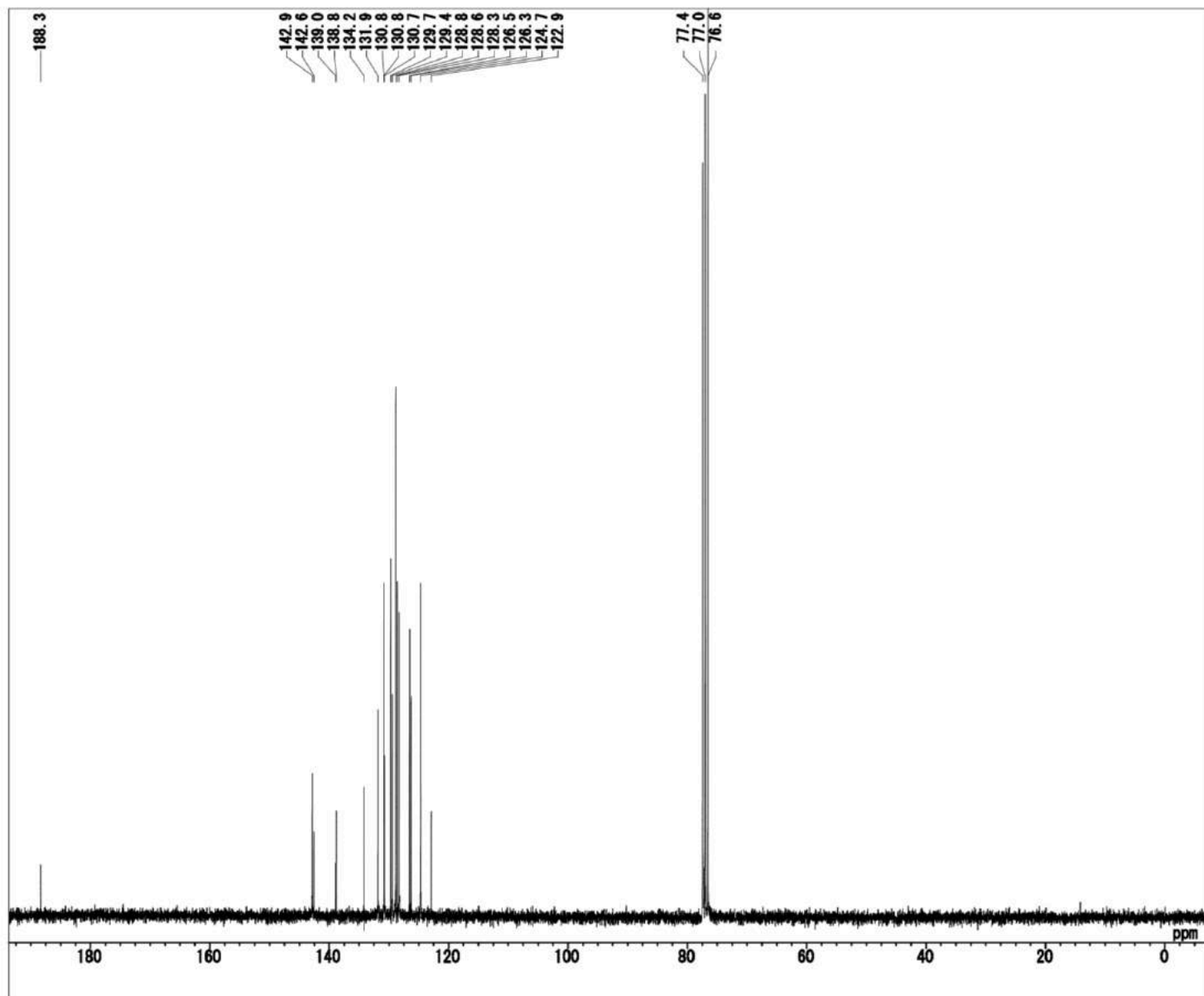


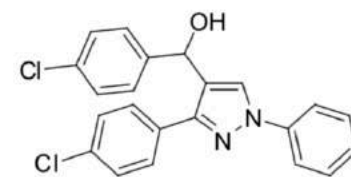
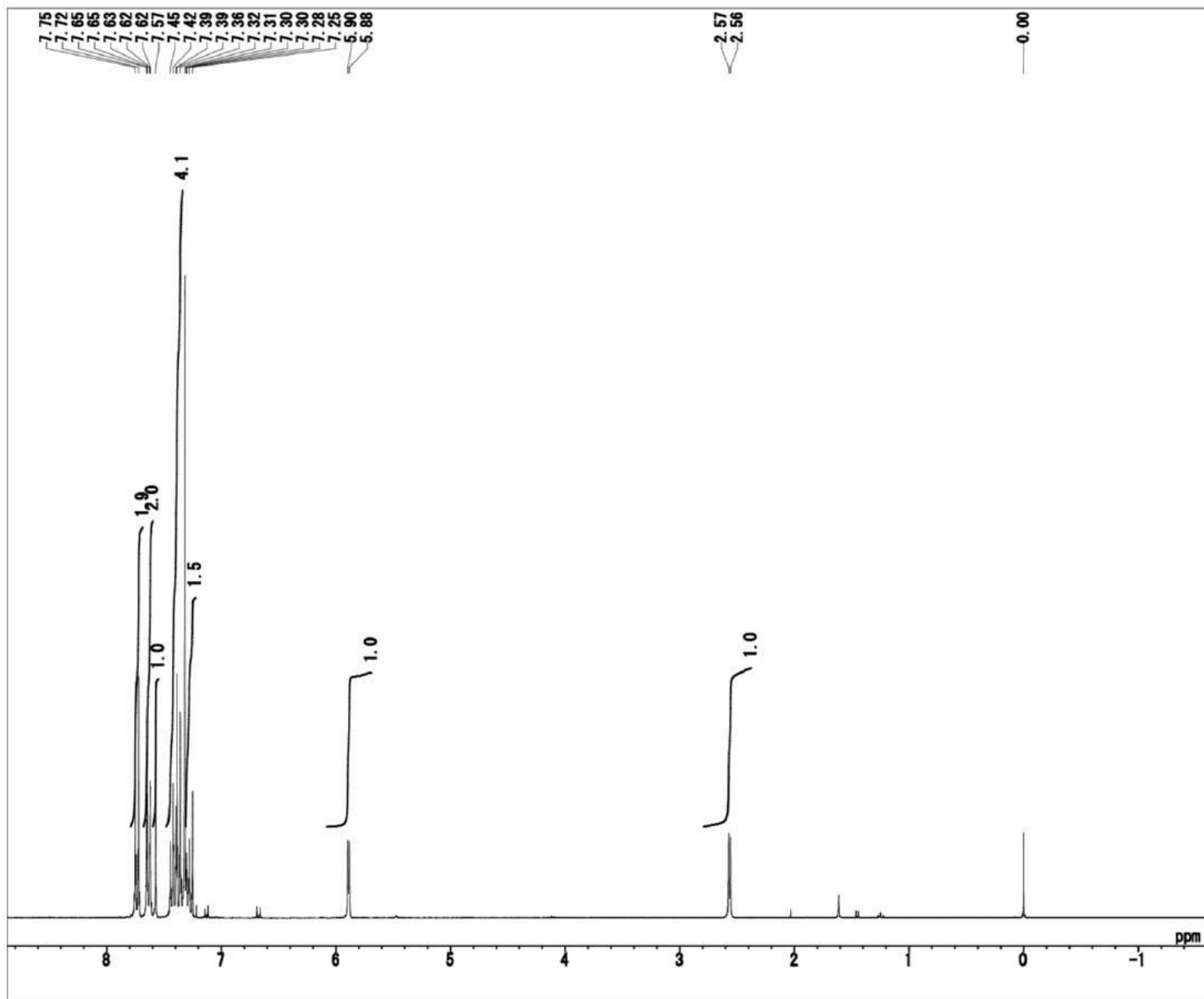




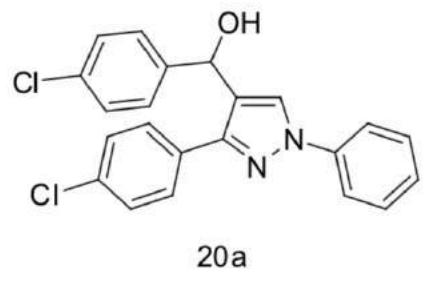
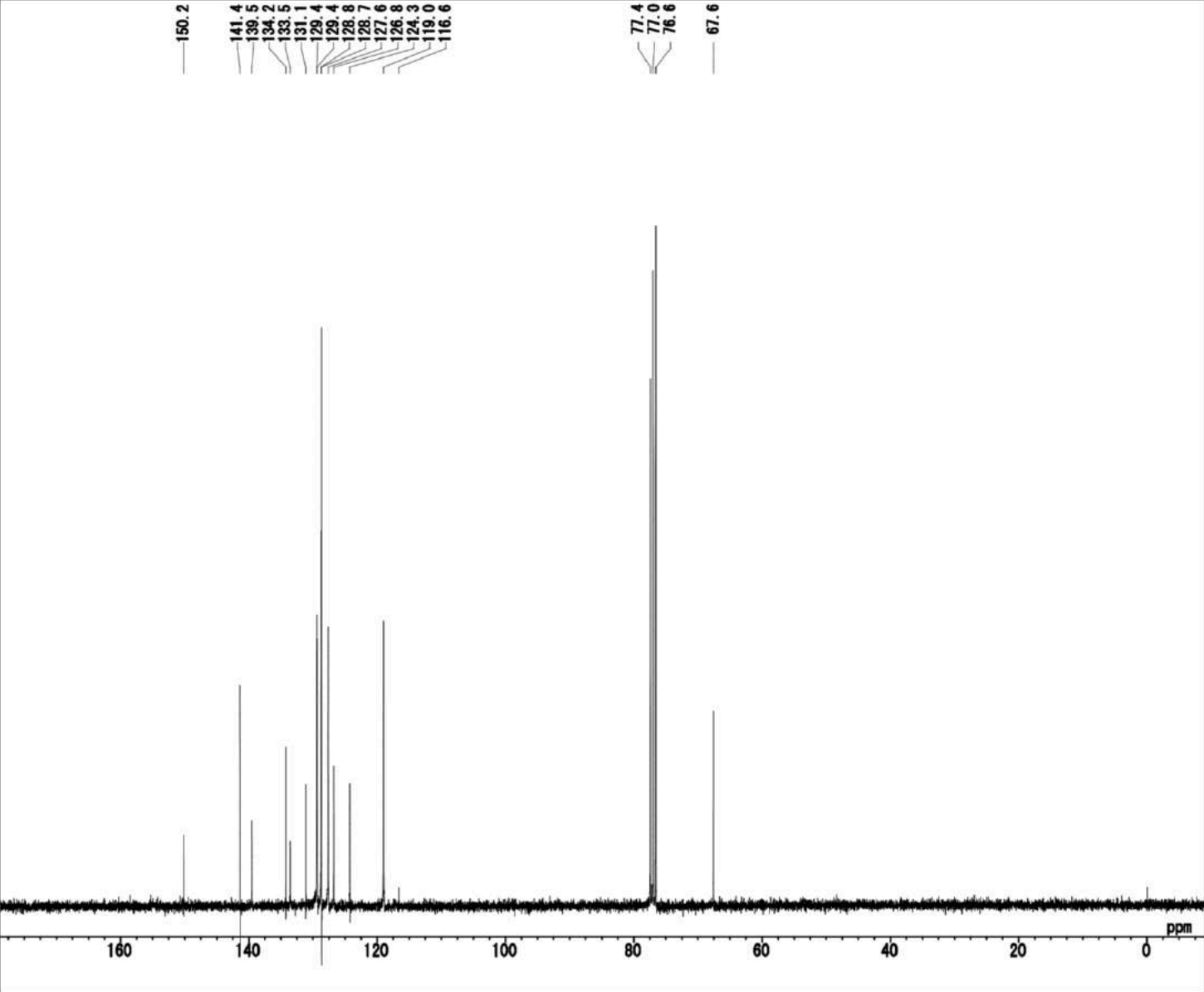


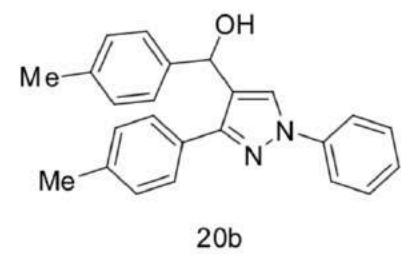
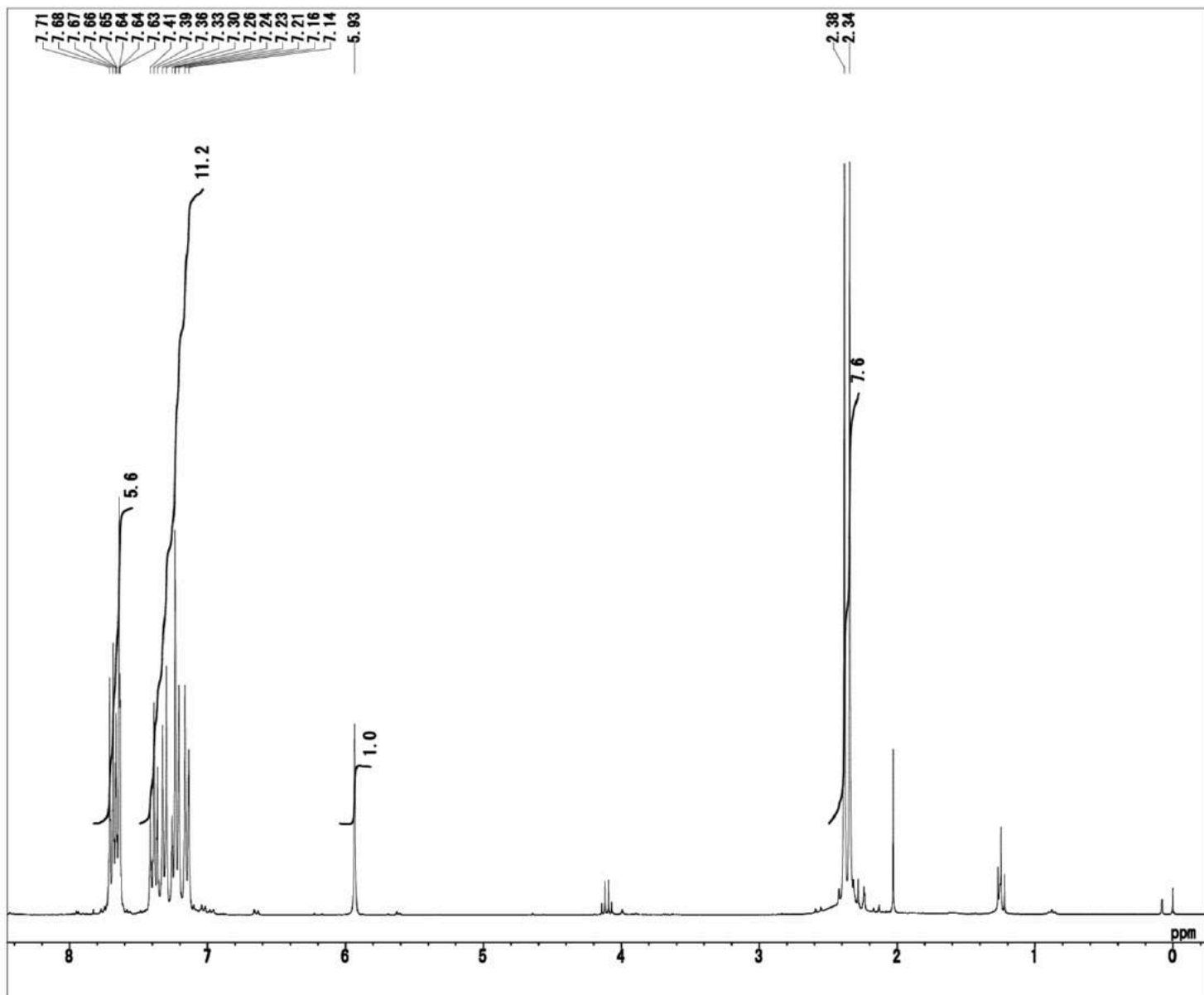


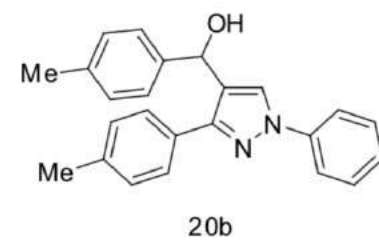
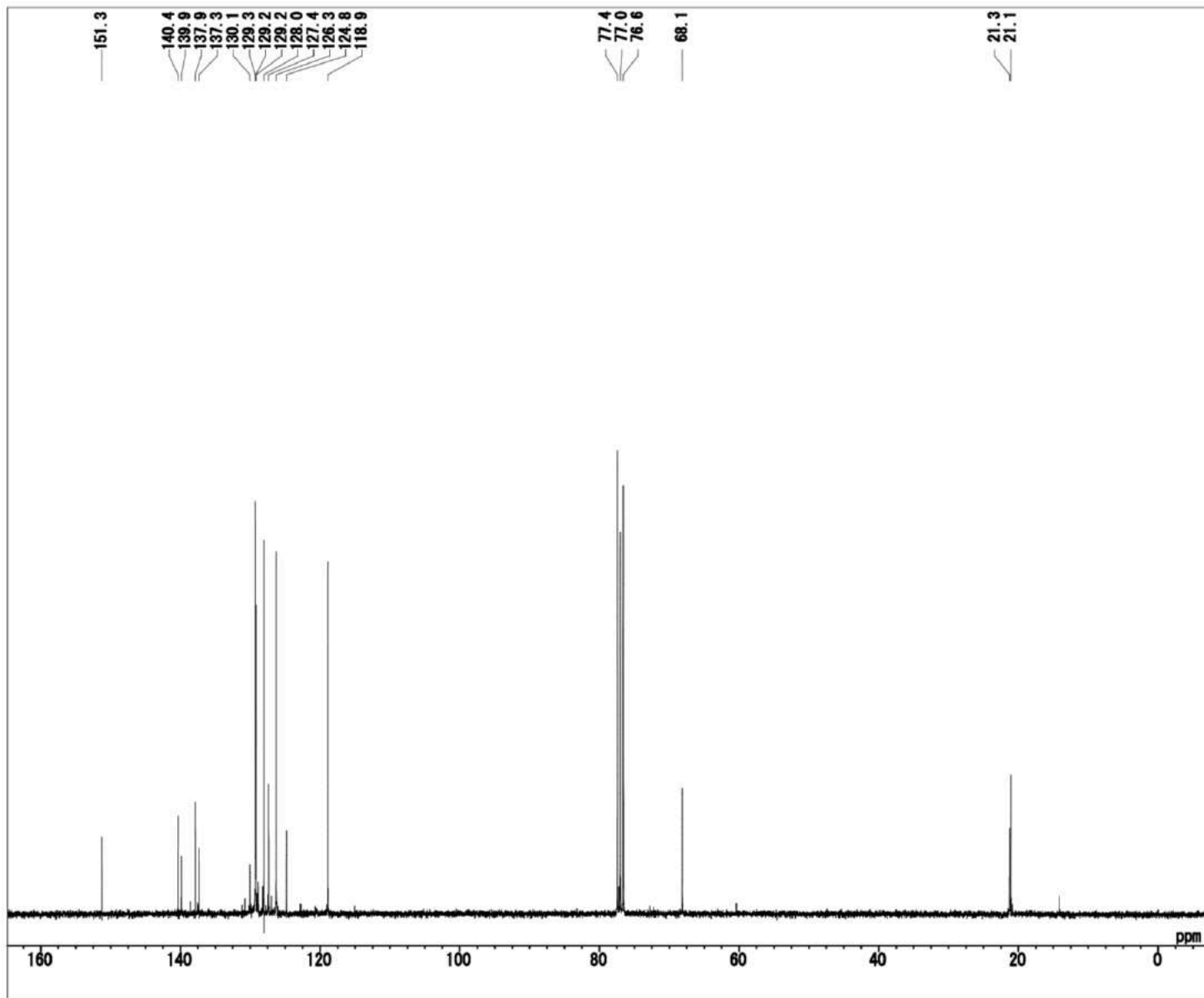


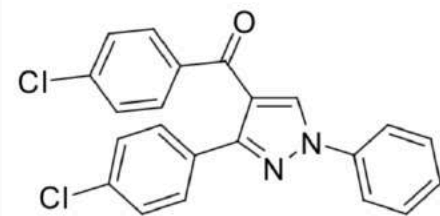
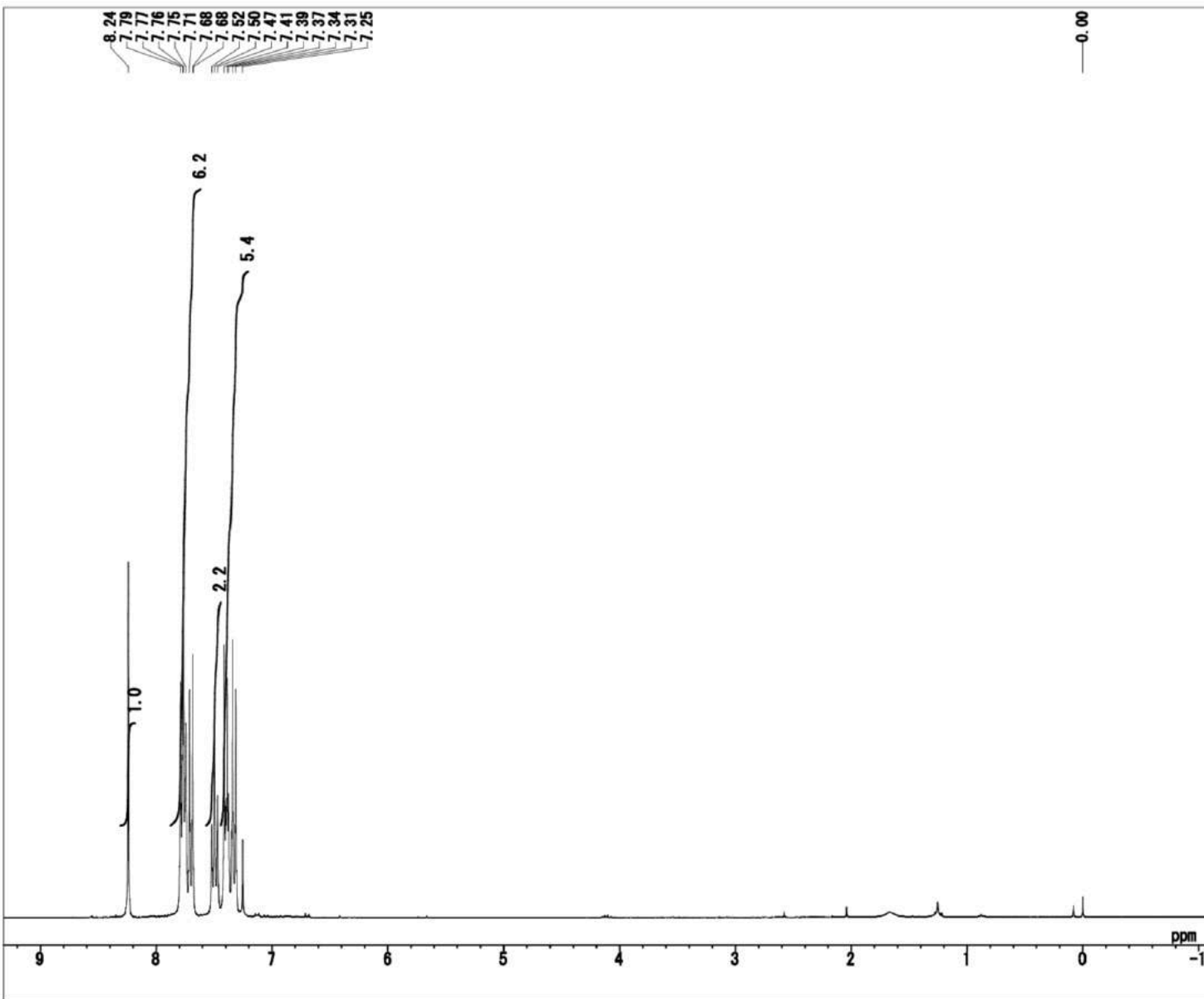


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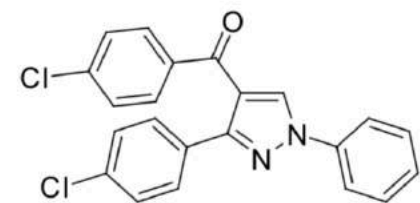
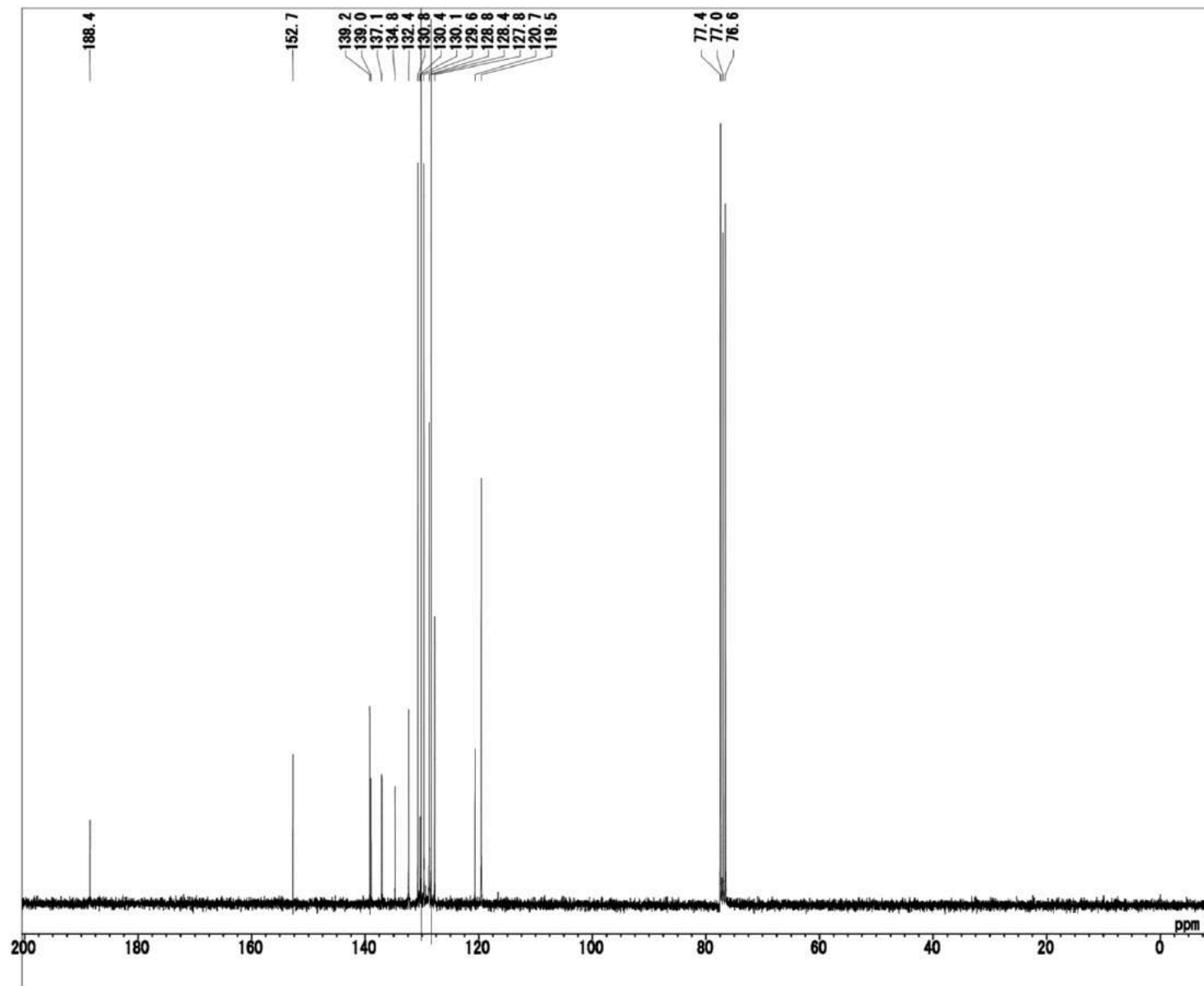




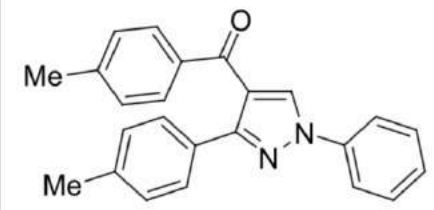
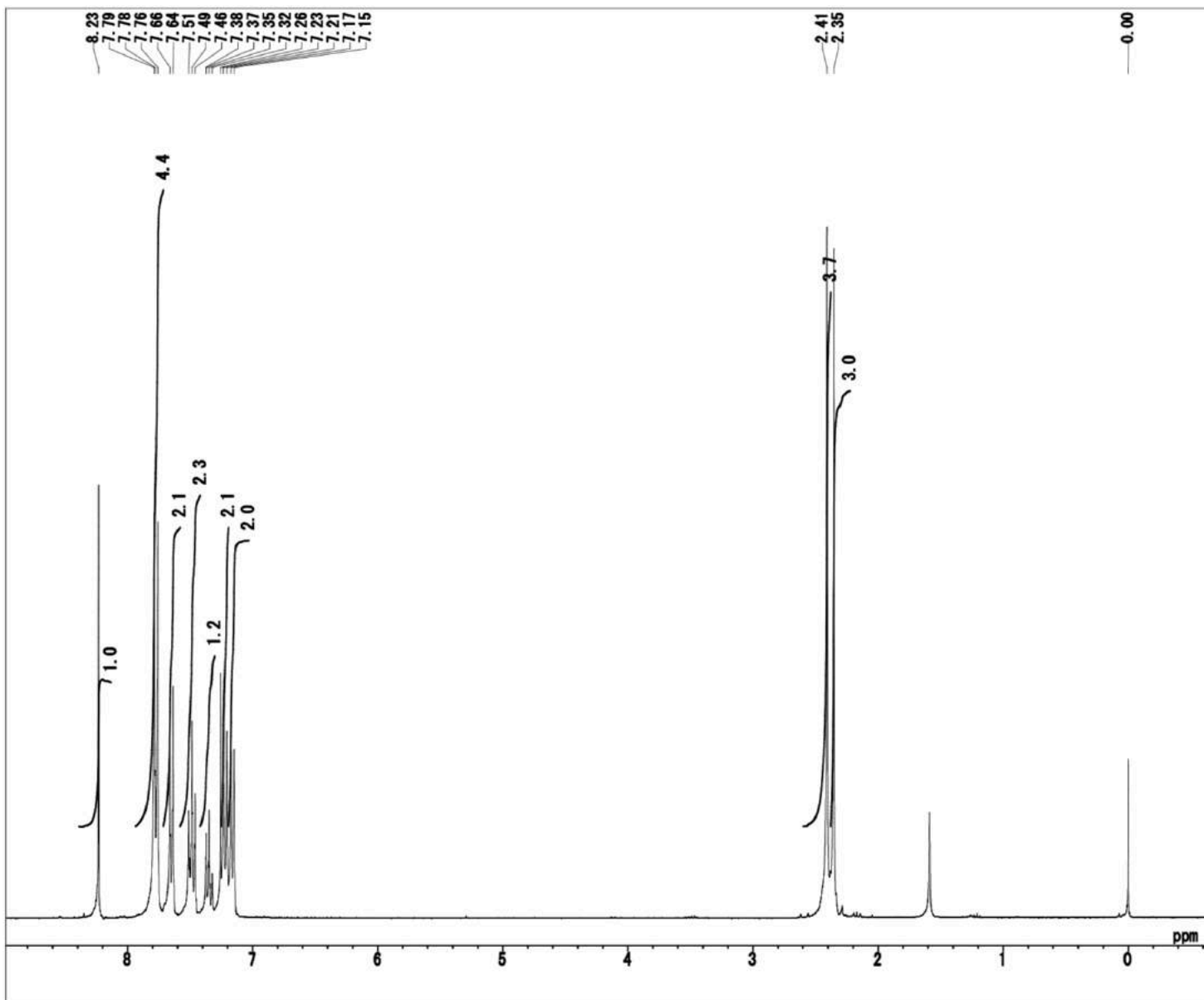




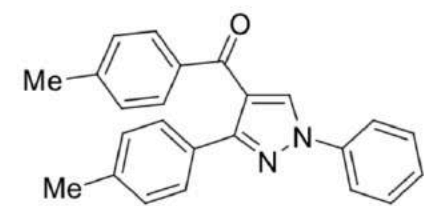
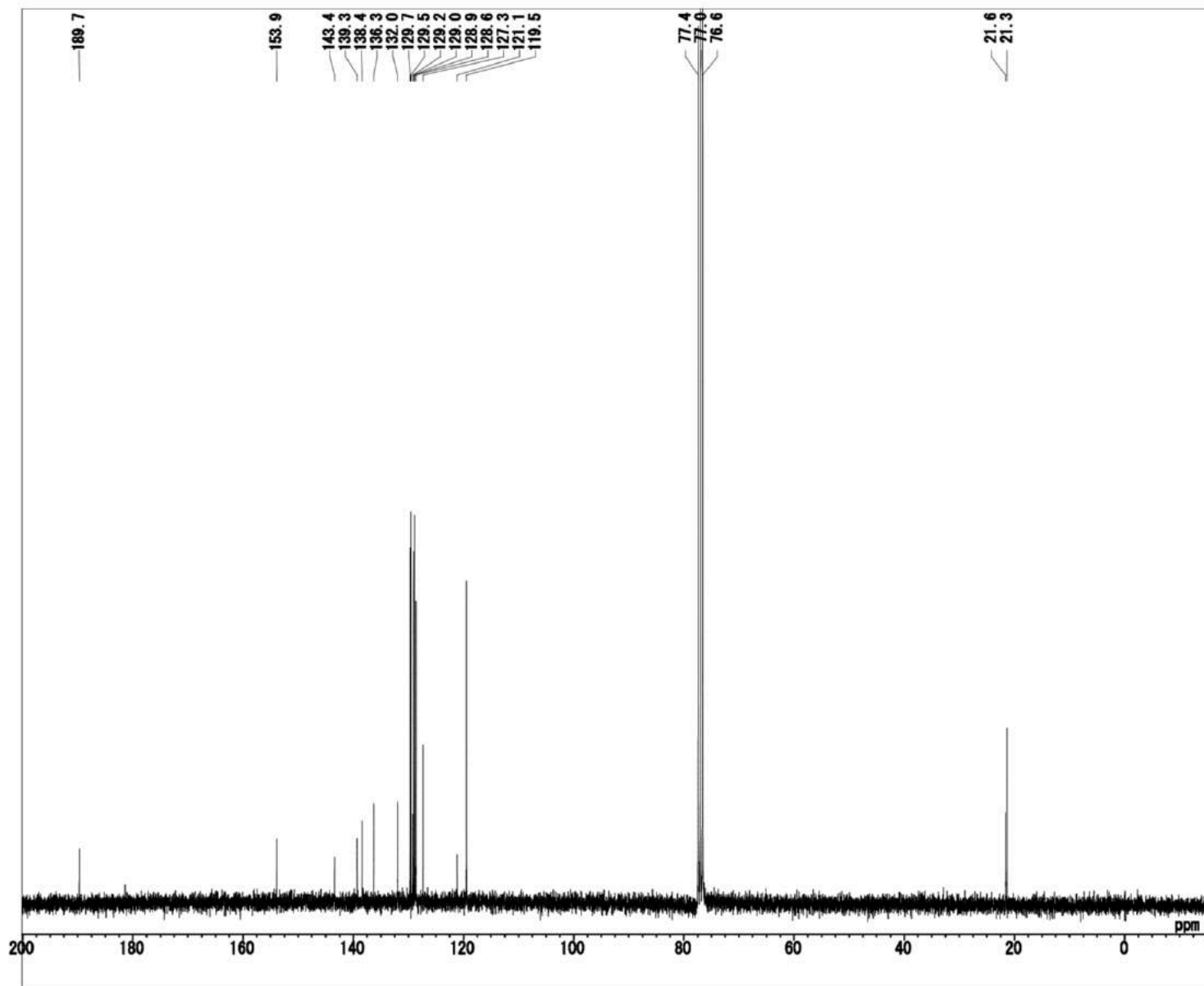
18k



18k



18I



18I